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INFLUENCE OF MARRIAGES OF CONSANGUINITY

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# REPORT

ON

## INFLUENCE OF MARRIAGES OF CONSANGUINITY

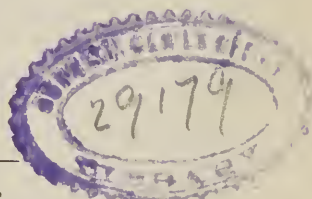
UPON

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BY ✓

S. M. BEMISS, M.D.



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EXTRACTED FROM THE  
TRANSACTIONS OF THE AMERICAN MEDICAL ASSOCIATION.

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## REPORT.

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Is the offspring of marriages of consanguinity equal physically and mentally to the offspring of parents not connected by ties of blood—both classes being supposed to be similarly circumstanced in respect to all other causes affecting the integrity of their issue?

A question of similar import to this has at times engaged popular attention probably for many ages, and yet no facts have hitherto been collected of sufficient number and authenticity to determine its solution. This neglect to accumulate statistical testimony as to the results of family intermarriage could not have proceeded from paucity of material, since, not only do the pages of history teem with instances of such marriage, but they are found in almost every social circle, and should receive the earnest scrutiny of physiologists. Surely, no questions can concern us more closely than those which relate to the prevention of the numerous congenital abnormalities of our species, among the causes of which, intermarriage of members of the same family blood may appear not the least important.

Passing allusions to the evil consequences of marriages of consanguinity may be found in a number of authors, but the subject has not been made a point of special inquiry, so far as I have been able to learn, except by Rev. Charles Brooks in a lecture before the American Association for Advancement of Science in 1855; by two French writers, Rilliet and Menière in 1856, and by the present reporter in 1857.

To Dr. John Bartlett, of Keokuk, belongs the credit of having projected the first effort to set the question at rest by accumulating a sufficient number of facts to furnish positive testimony either corroborating or refuting the popular idea of deterioration of offspring from such marriages. A loss of health compelled him to

abandon, for a time at least, his intentions, and he has generously placed his material in my hands for the benefit of the Association and profession at large.

Dr. H. P. Strong, of Beloit, Wisconsin, had also collected accounts of instances of family intermarriage for the purpose of deducing and publishing observations upon the subject. But so soon as he heard of the appointment of a committee by the American Medical Association to collect facts in regard to marriages of consanguinity, he placed his many carefully detailed cases at the disposal of the Association through their committee. Such instances of generous sacrifice of labor and purpose as the two foregoing demand our highest appreciation.

It was the design of the reporter to collect not only a sufficient number of observations of marriages of consanguinity to enable us to declare positively in regard to their own essential results, but also to collect a sufficient number of observations of marriage where no such influence obtains, to constitute an authoritative standard, so that by comparing the results of the two classes we might establish beyond controversy the affirmative or negative of the question premising this report.

With regard to the first class, or marriages of consanguinity, my success in collecting facts has been beyond my expectation; my tables will exhibit results of near nine hundred such marriages, a sufficient number to warrant the belief that any additions thereto, if procured in the same manner, would not materially affect the ultimate result. Of marriages of the second class, or between parties neither themselves related nor the descendants of blood relations, I regret to say that my exertions to collect observations have not been so successful. My tables comprise only one hundred and twenty-five observations of this character, which, however correct they may be in selection and statement, are not ample enough in number to justify me in offering them as the average results of marriage where no influence of consanguinity prevails. And unfortunately, there are no researches, so far as I have been able to learn, which establish the average fecundity and vital statistics of marriage in the United States.

The original statistics which appear in my report, have been furnished exclusively by reputable physicians in the various States to which they are credited. The respectable sources from whence they are derived should stamp them as high authority, and I bear cheerful testimony to their accuracy and reliability, feeling satisfied

that all future investigations in this field will bring additional evidence that they are faithful records of truths. But while indorsing the truthfulness of these statistics, it is my duty to state, that those which relate to marriages of consanguinity, should probably not be received as a completely true representation of the results of such marriages; some modification of the mean of results might occur if the statistics of *all* instances of in-and-in marrying, in the Union, for example, could be comprised in one report. It is natural for contributors to overlook many of the more fortunate results of family intermarriage, and furnish those followed by defective offspring or sterility. The mere existence of either of these conditions would prompt inquiry, while the favorable cases might pass unnoticed. Contributors have been particularly requested to furnish, without prejudice or selection, all instances of marriages of consanguinity within their various circles of observation, whatever their results. I have reason to believe that in every instance they have complied with this request so far as it was practicable to do so. Consequently, I have no further cause for supposing that the mean of defects would be lessened, were it possible to include every case of marriage of kindred existing in the population which affords those on my tables, than the mere inference that some cases with favorable results may have passed unnoticed.

Eight hundred and seventy-three observations of marriages of consanguinity of various degrees of relationship are arranged upon the tables. They were furnished from the following States:—

Maine . . . .	12	Georgia . . . .	30
New Hampshire . . . .	44	Alabama . . . .	22
Vermont . . . .	9	Mississippi . . . .	14
Massachusetts . . . .	87	Arkansas . . . .	7
Connecticut . . . .	35	Tennessee . . . .	53
New York . . . .	57	Kentucky . . . .	137
Pennsylvania . . . .	34	Missouri . . . .	69
New Jersey . . . .	33	Illinois . . . .	16
Delaware . . . .	7	Indiana . . . .	73
Maryland . . . .	2	Ohio . . . .	18
Virginia . . . .	24	Michigan . . . .	34
North Carolina . . . .	11	Wisconsin . . . .	42
South Carolina . . . .	3		—
		Total . . . .	873

That these observations might be more readily studied, they have been arranged upon the tables, in classes corresponding with their estimated grades of relationship, as follows:—

Classes.	Degree of relationship.	Number of observations.
A.	Instances of marriage or incestuous intercourse between brother and sister, or parent and child . . . . .	10
B.	Instances of marriage or incestuous intercourse between uncle and niece, or aunt and nephew . . . . .	12
C.	Marriage between blood relations who are themselves the descendants of blood relations . . . . .	61
D.	Marriage between double first cousins . . . . .	27
E.	Marriage between first cousins . . . . .	600
F.	Marriage between second cousins . . . . .	120
G.	Marriage between third cousins . . . . .	13
H.	Marriage irregularly reported, all first cousins . . . . .	30
Total . . . . .		873

The tables throughout the various classes corresponding to the degrees of relationship, are constructed in the same manner; first, there is a statement of temperament, health, and other circumstances relating to the parents and date of marriage; then the number, sex, and condition of children, the number dead, and causes of death. In a majority of instances, some important item of information is wanting to render the recital of the case complete, yet very few are so imperfect in detail as to be devoid of interest.

In compiling these cases from the numerous letters which brought me the facts, I have as nearly as possible preserved the language of the contributor. The descriptions of temperament have been copied verbatim, except in three instances, in all of which the reporter supposed the meaning of the contributors would be better apprehended by the employment of other language.

In some cases, I have from the tenor of the letters, supplied certain points of unstated information. For example, it has occurred that no statement was made of the health or habits of parents, but some circumstance detailed in the latter has authorized the reporter to describe them, inferentially, as either "good" or "bad," and they have been so entered upon the tables. These instances have been very rare, but it has more often happened that the date of marriage was not mentioned, and in such cases, when any given facts in regard to the age of children, or any other circumstance, led the reporter to infer that those marriages had occurred sufficiently long for the period of reproduction to have transpired, the dates have been denoted by the figures 1835, preceded by a dash. This rule has been adopted, because I have arbitrarily fixed twenty-two years as the extreme average length of time married women continue to produce in this country; consequently, all marriages set down upon

these tables as having occurred before 1835, are supposed to be complete in their results, so far as it regards reproduction.

It is not impossible that some slight errors may have been committed by the reporter in respect to these two interpolations, but they are believed to be so trivial, even if they exist, as to exert no influence over the result; and I would not suppose it important to speak of these alterations except as an act of justice from myself to those who have been my co-laborers.

The attention of contributors has been especially solicited to the temperament and constitutional idiosyncrasies of parents. I have not, however, attempted to deduce any conclusions from the information supplied in regard to temperament. The mere fact that the term itself has a meaning so unfixed and so differently understood, that physicians would have different ideas of its application to the same individual, forms a difficulty at the very threshold of any effort to establish practical laws in regard to the influence which particular conjunctions of parental temperament might exert upon offspring.

In regard to constitutional predisposition and peculiarities of parents, the tables present some interesting facts. It will be perceived that parental infirmities are entailed with great certainty upon the offspring, and this, in the opinion of the reporter, constitutes the strongest argument against the intermarriage of relatives; the fact that family peculiarities, tendencies, and infirmities, either of mind or body, which may be so slight on the part of the parents as to remain latent, become so exaggerated by this "intensifying" of the same blood, that they are in the child prominent and ruinous defects. In this manner I account for the fact that so many of the offspring of kindred parents, who seem in other respects to be well endowed, possess characters so angular and peculiar as to unfit them for the ordinary avocations of life.

In analyzing the defects of offspring, I have assigned a column to each of the four classes of infirmities which are so common in this country as to demand the construction of numerous institutions for their alleviation, viz: deaf-dumbness, blindness, idiocy and insanity; to these I have added a column for epilepsy and one for scrofula. It was my intention to insert a column for the deformed, but as a question arose in my mind as to whether certain personal peculiarities, such as different colored irises, or strabismus, or slight deviations from physical symmetry, should properly be classed under this caption, I determined to omit this



column, and to notice these defects under the head of "Condition of Offspring." Consequently, the deformed are in most instances excluded from enumeration under the head of "defective." Another observation will show that the numbers in the column marked "defective" under-estimate the sum of defects occurring to the offspring of the marriages of consanguinity upon these tables, that is this, in very many instances, where children have died young, their defects have escaped the attention of contributors, and often, perhaps, that of the parents likewise. This remark would hold especially true of congenital deaf-muteism and idiocy, either of which may exist unsuspected in very early infancy. It is not only a natural inference that many deaf and dumb, and idiotic children of the marriages upon these tables, have died without being reported as laboring under these defects, but the supposition finds complete corroboration in the fact that in classes B and D, in both which the percentage of early deaths is largely over that of any other classes, the percentage of defects is less than we are prepared to expect, and the reduction of mean of defects occurs precisely in the columns assigned to deaf-dumbness and idiocy, but more strikingly in the latter.

It has been a source of regret to me that these tables are so voluminous as to require so much space of the published transactions, but every case has been condensed as much as was compatible with its intelligible presentation. And to have omitted all detail of individual cases would have diminished the value of the report, since other statisticians and physiologists might desire to study these facts in relations different from those presented by the reporter. Another inconvenience attending the great compass of these tables, is that it will prevent their general diffusion through those circles where it is more important to awaken investigation and impart knowledge in reference to this subject. In some part, to obviate this difficulty, I have prepared a table of "Aggregates," which is an exhibit of the results of the marriages comprised on the large tables. The reader will find upon this table the whole number and sex of children, with the sum and percentage of each defect, running through all the classes formed by the various grades of relationship.

I have also prepared two tables of comparative results, which, considered in connection with the table of aggregates, present a condensed exposition of the questions involved in my report. The first of these tables is composed of observations of the results of

marriage where no influence of consanguinity prevails. The isolated observations upon this table are brothers and sisters of parties who have married their kindred, and whose cases are detailed among the consanguinity statistics, and are referred to in this table. The observations occurring in groups of from ten to twenty, have been furnished by highly respectable physicians in the various States to which they are credited. The correspondents who furnished these cases selected them as fair examples of the average results of marriage, under similar circumstances, in their various communities. They were chosen without any other restriction or requisition than that the husband and wife should neither themselves be related, nor have been the immediate descendants of kindred parents, and that the females should have ceased to ovulate, so that we might know that the results were complete as it regards fecundity.

The second table is made up in part from a report to the Secretary of State of Ohio, under an enactment of their legislature requiring a census of the deaf and dumb, blind, idiotic, and insane inhabitants of that State, and the number of each of those classes who were the offspring of marriages between blood relations. This latter clause of the enactment was totally neglected in many counties, and in others it seems to have been illy executed, yet this report contains a large amount of information valuable to my purpose, exhibiting as correlative statistics a remarkable correspondence with the facts furnished in my collection of cases. To illustrate more perfectly the coincidence between the statistics from these two sources, I have divided the observations of marriages of consanguinity furnished by the Ohio report into classes, corresponding as nearly as possible with the classification on my own tables; thus—

Classes.	Degree of relationship.	Number of observations.
A. Marriage or illicit intercourse between brother and sister, or parent and child . . . . .		3
B. Marriage between uncle and niece . . . . .		1
C & D. C and D were not noted in their schedules.		
E. Marriage between first cousins . . . . .		47
F. Marriage between second cousins . . . . .		28
G. Marriage between third cousins . . . . .		4
H. Irregular cases, or marriage between cousins, without specification as to degree . . . . .		72
Total . . . . .		<u>155</u>

Next, this table comprises the results of two hundred marriages

from the Ohio report, between the parties to which no ties of consanguinity were supposed to exist, yet each of which had given birth to deaf and dumb, blind, idiotic, or insane issue. These were taken—the first hundred from the commencing pages, and the last hundred from the concluding pages of the report, without other selection than that the parents should be reported as not related (and from those counties which had returned marriages of cousins), and that the defects of offspring should be congenital. The parties to these marriages were undoubtedly the subjects of some influences tending to the depravation of their issue, and yet a reference to the tables will show that the percentage of defects to their offspring is not so great as among the children of the consanguinity marriages. Lastly, the sum of results of marriage upon the first table of comparative results, is brought to this second table, and the percentage of defects and deaths carefully computed.

With a view to ascertain the character and degree of influence exerted upon the vital statistics of marriage by the great diversity of climate of the United States, I have arranged the observations comprised in the three most comprehensive letters, representing classes of consanguinity marriages, viz., C, E, and F, in “climatic divisions,” or belts, bounded by the degrees of latitude between which they were obtained. Thus all observations, in each of these classes from between the 32d and 36th degrees of latitude are embraced in the first division, under the caption of “South;” those obtained from the 36th to the 40th parallel, constitute the second, or “Middle” division; those from the 40th to 44th parallels, the third and “North” division. This table would have been of some practical utility, could I have been successful in obtaining a sufficient number of observations of vital statistics of marriage, where no kinship existed, to have admitted of a similar division and comparison of results; now, however, it has nothing to recommend it, except that it has been prepared with much labor, and is free from errors.

The mortuary statistics of the offspring of marriages of consanguinity, and of the offspring of marriage between non-related parties, are interesting subjects of comparison. I am compelled, from lack of time and space, to refer those who seek for precision in regard to the causes of death among the children of kindred parents, to the large tables; here I can only give an abstract containing all the causes of death, so far as known, among the children of non-

related parents, and some of the chief causes of mortality to the offspring of marriages of consanguinity.

Of the former, one hundred and thirty-four died young; sixty-nine of this number have the causes of death assigned—the remainder unknown. Eight hundred and eighty-three of the children of consanguinity marriages died young; the cause of death is given in four hundred and eighty-six of this number—the remainder unknown.

Marriages of Consanguinity.		Marriages of the Non-related.	
Consumption . . . . .	108	Consumption . . . . .	6
Scrofulous manifestations in other forms . . . . .	55	Scrofulous manifestations in other forms . . . . .	2
Convulsions . . . . .	44	Convulsions . . . . .	6
Epilepsy . . . . .	10	Epilepsy . . . . .	1
Hydrocephalus . . . . .	21	Hydrocephalus . . . . .	3
Brain affections . . . . .	15	Brain affections . . . . .	4
Scarlet fever . . . . .	30	Scarlet fever . . . . .	10
Fever . . . . .	22	Fever . . . . .	2
Typhoid fever . . . . .	8	Typhoid fever . . . . .	8
Measles . . . . .	1	Measles . . . . .	2
“Acute inflammatory attacks” . . . . .	6	“Acute inflammatory attacks” . . . . .	2
Dysentery . . . . .	14	Dysentery . . . . .	3
Diarrhœa . . . . .	6	Diarrhœa . . . . .	2
Croup . . . . .	8	Croup . . . . .	1
Whooping-cough . . . . .	4	Whooping-cough . . . . .	2
“Asthma” . . . . .		“Asthma” . . . . .	1
Psoas abscess . . . . .		Psoas abscess . . . . .	6
“Exanthemata” . . . . .		“Exanthemata” . . . . .	2
Accidental . . . . .	25	Accidental . . . . .	2
Pneumonia . . . . .	4	Pneumonia . . . . .	6
Stillborn . . . . .	37	Stillborn . . . . .	—
Cholera infantum . . . . .	15		
Marasmus . . . . .	12	Total . . . . .	69
Dentition . . . . .	6		
Anæmia . . . . .	6		
Cyanosis . . . . .	3		
Apoplexy . . . . .	3		
Erysipelas . . . . .	4		
Inanition . . . . .	4		
Imperfect development . . . . .	1		
“Insanity” . . . . .	3		
Total . . . . .	475		

I have made great effort to ascertain the probable proportion of the deaf and dumb, blind, idiotic, and insane, in our asylums, who are the descendants of blood intermarriages. This effort has not been successful, from the difficulty principals of such institutions

find in gaining the requisite facts. Parents are frequently sensitive on this point; and it is a delicate matter for principals to attempt investigations which the friends of the beneficiaries supposed to be unauthorized by the regulations of their various institutions.

I feel satisfied, however, that my researches give me authority to assume that over ten per cent. of the deaf and dumb, and over five per cent. of the blind, and near fifteen per cent. of the idiotic, in our State institutions for subjects of those defects, and throughout the country at large, are the offspring of kindred parents, or of parents themselves the descendants of blood intermarriage.

The principal of an institution for deaf-mutes communicates the following statement:—

“Of one hundred and eighty-three cases of congenital deaf-dumbness, twenty-eight were known to be the offspring of blood relations. My inquiries have not extended to more than half of the hundred and eighty-three. My impression is that of those born deaf and dumb, at least one-fourth are the children of cousins. It is very difficult, as you are aware, to get reliable information on this subject. \* \* \* One man in this State denied that he had married a blood relation; I have since learned that he and his wife are first cousins, and have six children, three of whom are deaf and dumb.”

The principal of another deaf and dumb asylum—a close observer, and one who has long occupied the position—writes as follows: “Since I wrote to you, a day or so ago, I have remembered that we recently received four sisters, the children of parents who were own cousins. They were all the children they had, I believe. The further I extend my inquiries, the greater the number of deaf mutes I find who are the children of near relatives; I have no doubt that at least ten per cent. are the offspring of persons so related.”

From another institution for deaf mutes, the following tabular statement was received:—

Whole number of pupils.	Males.	Females.	Scrofulous.	Consumptive.	Idiotic.	Known to be offspring of kindred parents.	Parents not related.	Doubtful as to relationship of parents.
139	71	68	67	7	10	21	32	58



This estimate shows over fifteen per cent. of the whole number of pupils to have been offspring of consanguinity marriages.

With regard to the frequency of idiocy as a result of intermarriage of relatives, and the probable proportion of those laboring under this defect who are descendants of such unions, I have received the following statement from a highly respectable physician of Connecticut:—

“Two years ago circulars were issued to every physician in Connecticut, to clergymen, to town-clerks, and to the first selectman of every town in the State, containing minute questions relative to the probable causes of the cases of idiocy reported. The question, Whether consanguinity was a cause or not, was answered in 160 cases, and assigned as a cause in 20 of them. An adequate cause of idiocy was reported in 310 cases, but the question concerning consanguinity was answered in only 160 cases. Taking it for granted that every instance of relationship of parents, in the 310 cases, was reported, we find that consanguinity of parentage is a cause of  $\frac{1}{15}$ th of the idiocy in Connecticut. If we follow the idea that no attention whatever was paid to the question, except in the 160 cases, then we find it a cause of  $\frac{1}{8}$ th—taking the mean, it is the cause of  $\frac{3}{16}$ ths of all the idiocy in the State.”

In addition to these facts, and others which I have gained by correspondence with gentlemen who have given close attention to these points, the following perfectly legitimate process of computation confirms me in the opinion that the previously announced estimates are very nearly correct. The classes C, D, E, F, G., of the consanguinity tables, comprise 787 marriages of cousins, 246 of which have given issue to deaf and dumb, blind, idiotic, or insane children.

Admitting the same ratio to prevail, the Ohio report, which contains 151 marriages of cousins, followed by deaf and dumb, blind, idiotic, or insane offspring, would indicate the existence of 332 other marriages of cousins in the same population, not followed by such defects. The counties which furnish this 151 marriages, as above, and which are supposed to comprise in their limits 332 unreported marriages, making a total of 483, contained in 1850 a population of 1,528,238. If the same ratio be supposed to exist throughout the Union, there would be found to the twenty millions of white inhabitants, six thousand three hundred and twenty-one marriages of cousins, giving birth to 3,909 deaf and dumb, blind, idiotic, and insane children, distributed as follows:—

Deaf and dumb . . . . .	1,116
Blind . . . . .	648
Idiotic . . . . .	1,854
Insane . . . . .	299

Then, if the figures of the last United States Census still applied to our population, there would now be found in the Union:—

9,136 deaf and dumb, of whom, 1,116, or 12.8 per cent., are children of cousins.

7,978 blind, of whom 648, or 8.1 per cent., are children of cousins.

14,257 idiotic, of whom 1,844, or 12.93 per cent., are children of cousins.

14,972 insane, of whom 299, or 1.9 per cent., are children of cousins.<sup>1</sup>

I invite the attention of gentlemen of this Association to this calculation of probabilities either to confute or confirm it by any facts in their possession.

A very cursory examination of the tables of my report will suffice to show that *pari-passu* with the increment of the same blood the sum of defects of offspring is likewise increased. Classes D and G present exceptions to this rule. As it regards D, the supposed reason for this deviation has been already stated, namely: that its mortality list is so large; while class G presents so few observations as to satisfy us that they attracted notice solely because of their unfavorable results.

But notwithstanding these two exceptions, the increase and diminution of calamities to offspring correspond so closely with the increase and decrease of relationship, as to fix the conviction firmly in the mind of the reporter, that multiplication of the same blood by in-and-in marrying does incontestably lead in the aggregate to the physical and mental depravation of the offspring. And if we admit the above statement, which the observations here presented abundantly prove—that defects of offspring multiply precisely as we multiply the same blood—and to this admission join the fact that all those contingent circumstances of parental health, habits, proclivities of constitution, sexual incongruity, &c., are as liable to affect one class as another, we cannot rationally assign these effects to any other influence than that of consanguinity.

I am constrained to express my sincere regret that this report must be offered in a crude, unfinished state. The study of this interesting subject is, if thoroughly investigated, an elaborate science,

<sup>1</sup> The reader will perceive that since these estimates were made, some cases have been added to the consanguinity tables; also, that in the computations small fractions have been occasionally left off, or slightly altered when appearing in the quotient.

and the reporter labored under erroneous impressions when he supposed that the important facts bearing upon it could be collected, arranged, and properly elucidated in the short period of a year. I cannot prosecute these researches any further, having already devoted more time to them than it was proper to spare from the more practical and important branches of the profession. It was impossible to incorporate more than a mere tithe of the large amount of interesting and valuable information in my possession; the remainder I will carefully preserve, and hold subject to the call (under certain limitations) of any physiologist<sup>1</sup> whose tastes, attainments and leisure, qualify him for the task of completely elaborating the subject.

The thanks of the Association are eminently due to those physicians whose love of science induced them to assume the disagreeable office of eliciting and supplying the information comprised in these tables. Their contributions were furnished under a pledge that no individualization of contributors was to enter my report; consequently, no other motive could have actuated them than an earnest interest in science, and in all questions touching the well-being of their species. Personally, I offer them my grateful acknowledgments for their co-operation. I trust they will concur with me in the opinion that the chief merit of my report is, that the facts they have furnished me have been fairly and honestly transferred to its pages.

<sup>1</sup> Should Dr. Bartlett recover his health, and desire to prosecute his work, his claims are entitled to first consideration.

CLASS A.—*Instances of Marriage or Incestuous Commerce*

PARENTS.								
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.		
1	M. F.	Sanguine. “	Both of good constitution and habits; wife, husband's half sister.	Farmer.	1817	M. 21	F. 17	
2	M. F.	Unknown. Billions sanguine.	Both healthy and good habits; half brother and sister.	Farmer.	1840	25	..	
3	M. F.	Unknown. “	No report of health or habits. The husband was offspring to the same father, but by a former wife, consequently half sister to his wife, with whose family he had but little association previous to his marriage; both belong to lower walks of life.	..	..	..	..	
4	M. F.	Unknown. “	Husband and wife were offspring to the same father, the former legitimate, the latter illegitimate; the husband formed an attachment to his half sister while ignorant of her parentage; a revelation of the truth did not alter his purpose, and they were married.	..	—1835	..	..	
5	M. F.	Nervo-lymphatic. Sanguine.	Male was not healthy.—Female, robust; no statement of habits. These parties were not married, but were guilty of incestuous intercourse; they were full brother and sister.	..	1837	..	..	
6	M. F.	Unknown. “	No report of health or habits; parties were full brother and sister, and had incestuous intercourse. Both were finely developed and handsome, with dark hair and eyes, resembling greatly.	..	1846	20	14	
7	M. F.	Unknown. “	No report of health and habits; parties were half brother and sister, one being a legitimate, the other an illegitimate child of the same father. They married without any suspicion of their relationship.	Farmer.	—1835	Young.		
8	M. F.	Unknown. “	Both good health; incestuous intercourse between full brother and sister.	..	1836	Young.		
9	M. F.	Unknown. “	Both supposed to be healthy; an instance of incestuous commerce between father and daughter.	..	1830	..	..	
10	M. F.	Unknown. “	The male of excellent health and intellect, and good social position, seduced his granddaughter, at that time a model of female beauty and good mental endowments.	Lawyer.	1827	Unk'n.	17	

*between Brother and Sister or Parent and Child.*

CHILDREN.														CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.		
	Male.	Female.									Male.	Female.			
7	6	1	7	...	...	1	...	...	...	...	...	...	..	..	Six cannot speak so as to be understood, except by their immediate family.
5	2	3	5	...	...	5	...	1	3	...	...	...	..	..	
1	...	...	1	...	...	1	...	...	...	...	...	...	..	..	This child is marked with the singular peculiarity of having one blue and one black eye.
5	...	...	5	...	...	5	...	...	...	...	...	...	..	..	Three are complete idiots, the other two imbeciles.
1	...	1	...	...	...	...	...	...	...	...	...	...	..	..	This child is now 20, and is healthy, bright, and active.
1	...	1	1	...	...	...	...	...	...	...	...	...	..	..	This child is an albino, of delicate constitution, not deficient in mental endowments, is tall and stooping, and has an awkward shambling gait, now 12 years old.
7	3	4	6	...	...	6	...	...	...	...	...	...	..	..	These children, except one son, have six fingers on each hand, and six toes on each foot, and are otherwise "hideously deformed" as well as mentally imbecile.
1	1	...	1	...	...	1	...	...	...	...	...	...	..	..	This child is now an adult, a mere pigmy in size, with a badly proportioned body, and a fatuous vacant expression of countenance.
2	2	...	2	...	...	...	...	...	2	...	...	...	..	..	These children were twins, and had pelvises resembling the female in form. After maturity they walked like females, and were feeble and scrofulous.
1	1	...	1	...	...	...	...	...	...	...	...	...	..	..	This child presents a peculiar appearance, his extremities are longer than natural, his movements are lax and swinging, his countenance strange, his moral proclivities were also striking and abnormal; he is now an inmate of a poor-house.



CLASS B.—*Marriage or Commerce between*

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
						M. F.
1	M. F.	Sanguine. “	Both good constitution and habits; female of great personal beauty. The wife was husband's maternal aunt. Both of good social position and easy circumstances of life, and married to cover shame of pregnancy from illicit intercourse.	Farmer.	1836	27 28
2	M. F.	Bilious. “	Both robust constitutions, with active, temperate habits. Wife, niece to husband.	Farmer.	—1835	30 17
3	M. F.	Bilious. Nervous.	Not reported. Uncle and niece.	..	1850	25 19
4	M. F.	Lymphatic. Sanguine.	Intemperate habits. Aunt and nephew.	Laborer.	1830	20 30
5	M. F.	Lymphatic. “	Not reported. Nephew and aunt.	Farmer.	1822	22 24
6	M. F.	Nervous. Sanguine.	Both good constitution and habits. Uncle and niece.	Farmer.	1827	23 ..
7	M. F.	Bilious. “	Both dark skin, hair and eyes; health good; medium size. Nephew and aunt.	Farmer and stonemason.	1837	25 30
8	M. F.	Sanguine. “	Both of robust health, and long-lived; still living; over 70 years of age; of thin flesh; resemble so strikingly that they might readily be taken for brother and sister. The wife is husband's niece by his sister.	..	1810	Young.
9	M. F.	Unknown. “	Both healthy and apparently vigorous, and were never previously married.	..	1849	65 25
10	M. F.	Bilious. “	Both of excellent health and good habits, with dark hair and black eyes; the female is daughter to the husband's brother.	..	1853	Young.
11	M. F.	Nervous. Leucophlegmatic.	Male, healthy, with regular active habits.—Female, healthy, but indolent; was aunt to her husband.	Mariner.	1830	20 30
12	M. F.	Unknown. “	Both of good health and habits; of German family.	..	..	Young.

*Uncle and Aunt or Aunt and Nephew.*

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Lusane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
4	2	2	2	1	1	1	..	1	..	..	..	..	..
7	4	3	..	..	..	..	..	..	..	1	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	5	4	9	..	..	2	..	..	..	9	..	..	..
4	1	3	3	..	..	..	..	..	..	3	..	..	..
12	..	..	12	..	..	..	1	..	12	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	10	..	1	..	..	..	..	8	..	..	-7
..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	1	..	..	..	..	..	..	..	..	..	..	..	..
3	2	1	3	..	1	..	..	..	..	1	1	..	20
3	2	1	1	..	..	..	..	..	..	1	..	1	3

## CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.

..

The two defective are males; one is deaf and dumb, blind, an idiot, and deformed; the other is epileptic. The females are mediocre in intellect, and altogether unattractive in personal appearance.

Accidental.

Nothing remarkable about children, except one male is ungainly and awkward.

..

The union hitherto sterile.

Marasmus.

All were deformed in hands and feet.

Unknown.

The three noted as defective were very much deformed. The one living is a male grown, has curvature of spine, and otherwise defective.

..

All scrofulous.

..

Barren.

Unknown.

One of the survivors is deformed from congenital spinal curvature, but is otherwise a man of average intellect and business capacity, and of good health. The other is ruddy and healthy in appearance, but, at 40, is a mere child in intellect, and dependent upon his father and deformed brother for support. Both have been married some years, but without issue.

..

Sterile.

..

This child is of fine healthy appearance, and seems to be of precocious intellect; had a convulsion at 2½ years of age, cause unknown.

Typhoid fever.

The female nyctalopic; all feeble.

Marasmus.

The sons are healthy; the female was always feeble, and never walked.

CLASS C.—*Marriage between Cousins,*

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
1	M. F.	Unknown. "	No report of constitution or habits. Two brothers married each a second cousin. The male in this union was the product of one of the above marriages, the female of the other, consequently were double first cousins.	No report.	—1835	M. F. .. ..
2	M. F.	Nervous. "	Constitutions good, habits temperate. Whether the parties to this marriage were first, second, or third cousins is not stated, but their ancestors are reported to have intermarried for two preceding generations.	Farmer.	1790	Usual age.
3	M. F.	Bilious. Sanguine.	The parties to this marriage are second cousins, their parents were second cousins, their grandparents first cousins, and their great and great-great grandparents also first cousins; thus constituting five consecutive generations of children who practised inter-marriage.	..	..	.. ..
4	M. F.	Phlegmatic. Nervous.	Male, good health and habits; a laborious agriculturist. — Female, good health and active habits.	Farmer.	1813	27 21
5	M. F.	Phlegmatic. Nervous.	Both good health and habits. Parents in Nos. 4 & 5 were mutually brother and sister (that is, the male of one was brother to female of the other), while each was first cousin to his wife; their parents were also double first cousins. To illustrate this intricate entanglement, suppose that A and C, two brothers, married B and D, two sisters, their double first cousins; the union of A and B resulted in a son D, and a daughter F: that of C and D in a son E and a daughter G; then if E marries F, and G marries H, we have the relationship of parties in Nos. 4 and 5.	Farmer.	1816	.. ..
6	M. F.	Unknown. "	No report; parties were third cousins.	..	..	.. ..
7	M. F.	Unknown. "	Female, daughter of No. 94, Class E.	..	..	.. ..
8	M. F.	Unknown. "	No report; third cousins. Female, daughter of No. 94, Class E.	..	..	.. ..
9	M. F.	Bilious.	Both of good constitutions and habits, condition in every respect supposed to be favorable to production of healthy offspring. The male was offspring of cousins, and married his first cousin.	..	1830	.. ..
10	M. F.	Unknown. "	Both were large, healthy, good intellects, and industrious habits; they were first cousins, and so were their parents.	Farmer.	1797	24 ..
11	M. F.	Bilious. Nervous.	Both good health and habits. The male has feeble intellect, is in personal appearance outrageously ugly, squints, and distorts his mouth in a disagreeable manner. The male was offspring to Class E, Nos. 94, 95, and 96, and first cousin to his wife.	Farmer.	..	Young.
			Male vigorous; intemperate at times. — Female vigorous; no report of habits. These parties are first cousins, and their parents also.	"Jack at all trades."	1850	25 20

*themselves the Offspring of Kindred Parents.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
2	1	1	2	..	..	2	..	..	..	2	1	1	..	Unknown.	Both were congenitally deformed and complete idiots.
5	2	3	2	..	..	..	..	..	..	..	..	..	..	..	The two ennumerated as defective are nyctalopic, seeing objects with much more facility and ease during twilight than during a bright day; they have also a peculiar twinkling or dancing motion of the eye during a strong light. There are no complete idiots in the family, but all are in a state of mental weakness bordering upon that condition.
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	Remarkable for both mental and bodily vigor.
2	1	1	2	..	2	..	..	1	..	1	1	..	15	Epilepsy.	The female would be regarded as half-witted, married and died at 15 in her first labor.
4	2	2	4	..	1	..	..	1	..	2	1	1	14	Epilepsy. Female of fever.	Survivors of strikingly feeble intellect and fragile constitutions.
3	..	..	3	..	..	..	..	..	3	1	..	..	..	Scrofula.	The two survivors have scrofulous diathesis strongly marked.
5	..	..	5	..	..	..	..	..	..	1	..	..	..	Scrofula.	Survivors very feeble in mind and body.
6	3	3	6	..	..	..	..	..	..	..	..	..	..	..	Constitutions are extremely feeble; the males are effeminate in appearance, two have congenital defects of the eyes; the minds of all are below mediocrity, and one is but a degree removed from idiocy; all are remarkably unprepossessing in personal appearance.
4	2	2	3	1	..	..	..	..	2	1	..	..	6	Unknown.	Survivors have scrofulous ophthalmia, and evince both mental and physical deterioration.
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	All seem to be at least not inferior to their father, but are still too young to determine any question regarding mental endowments.
5	..	..	5	..	..	..	..	..	..	5	..	..	..	Brain diseases.	The children were small and feeble at birth, and all died during the first year.

CLASS C.—*Marriage between Cousins,*

PARENTS.								
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.		
12	M. F.	Bilious. Unknown.	Male, not robust; regular habits.—No report as to health and habits of wife. She is a deaf mute, the daughter of first cousins; her parents are parties to No. 113, Class E.	Trader.	1844	M. 23	F. 18	
13	M. F.	Unknown. "	Male delicate constitution, supposed by his friends to be consumptive; he is himself the son of first cousins.—No report of wife's health; she is daughter to No. 114, Class E. First cousins to each other.	..	1850	29	19	
14	M. F.	Bilious. Nervous.	Both good health and habits. Husband is son to No. 214, Class E, and married his first cousin.	Farmer.	1850	33	..	
15	M. F.	Unknown. "	Both parties apparently healthy; the male was son to No. 52, Class F, and married his first cousin.	Mariner.	1836	Young.		
16	M. F.	Unknown. "	No statement as to health of husband.—Wife delicate constitution, but active; daughter of No. 266, Class E, and second cousin to her husband.	..	..	..	..	
17	M. F.	Unknown. "	No statement as to health or habits.—Wife was daughter to No. 270, Class E, and was first cousin to her husband.	Farmer.	1821	Young.		
18	M. F.	Unknown. "	Health and habits may be supposed to be good, as no report to the contrary is made by a very careful correspondent. Tho husband was son of No. 259, Class E, and married the daughter of his maternal aunt.	..	1841	..	..	
19	M. F.	Unknown. "	Good health and habits. Husband eldest son of No. 260, Class E, and first cousin to his wife.	..	..	..	..	
20	M. F.	Unknown. "	Good health and habits. Wife was daughter to No. 260, Class E, and first cousin to her husband.	..	..	..	..	
21	M. F.	Unknown. "	Both of ordinarily good constitutions and mental capacities, and good habits. They were children of first cousins, and were themselves first cousins.	Farmer.	—1835	Young.		



*themselves the Offspring of Kindred Parents—Continued.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN. REMARKS, ETC.
	Male.	Female.									Male.	Female.			
4	3	1	4	2	..	1	..	1	..	1	1	1	2	Hydrocephalus.	The deaf and dumb children of these parents had also strabismus, defective vision, and club feet.
4	3	1	..	..	..	..	..	..	..	1	1	..	4 mos.	Diarrhœa.	Survivors delicate, but have no developed disease.
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	Living and normal, aged 4.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
11	8	3	5	..	5	..	..	..	..	5	4	1	2 mos. 2 mos. 9 mos. 16 2 wks.	Whooping-cough. " Dysentery. Unknown.	The blind children had congenital cataract (two males and the three females); two other males were twins and died at two months; one other male died at two weeks. It is not known whether these children who died so young had cataract or not. The male who died at 16 grew to that age healthy and with normal eyes. One male, now an adult, has good eyes, and is healthy and bright. Two males and two females are now blind adults. One male has had one eye operated upon three times without more than a slight improvement of vision. The cataract feels and looks like a small piece of buckskin, and was with great difficulty cut or torn; some rents were, however, made in it, but it had no effect in procuring its solution. They have all some vision, but very imperfect, the light apparently finding its way in on the sides of the eyes as they turn their heads obliquely, to an object which they wish to examine. Their eyes are very unsteady, having a continual vibrating or oscillating motion.
1	..	..	1	..	..	..	..	..	..	1	..	..	..	Stillborn.	An acephalous monstrosity. No other child to this date.
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Still young, sex and condition not known.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Lived together several years without issue.
4	2	2	2	..	..	2	..	..	..	2	..	..	4 6	Unknown. "	The two defective were cripples as well as idiotic; although they died at the ages of 4 and 6, they were never able to sit alone, the survivors bid fair to become persons of average mental and physical capabilities.

CLASS C.—*Marriage between Cousins,*

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
22	M. F.	Bilious. Sanguine.	Small, well proportioned, very healthy; dark skin, hair, and eyes; good habits.—Wife, small and fleshy; light hair, eyes, and complexion; health mediocre. The great-grandparents and grandparents to each of this couple were cousins, but their parents were not related by blood. The parties to this marriage are first cousins.	Farmer.	1817	M. 25 F. 20
23	M. F.	Sanguine.	Small, healthy, fair skin, sandy hair, and good habits.—Wife, good size, healthy, dark hair, and good skin; has "dancing eyes," and a little near-sighted. The husband and wife are second cousins. The grandparents and great-grandparents of each were consins, but their parents not related by blood.	Clergyman.	1830	25 21
24	M. F.	Sanguine. "	Both good constitutions, ruddy complexions, sandy hair; husband died 15 years after marriage. These parties were double first cousins, and their parents first consins.	..	1837	Young.
25	M. F.	Sanguine. Melancholic.	Robust constitutions; female, strumous, regular habits. These parents were descendants of first consins, and were themselves first consins.	Merchant.	1840	23 17
26	M. F.	Phlegmatic. "	Both strumous diathesis, regular habits. The parents of the wife were first consins; those of the husband not related, but his grandparents were second consins. The parties themselves were first consins.	Farmer.	1837	22 20
27	M. F.	Phlegmatic. Choleric.	Both scrofulous. The parents of the husband not related. The wife was the offspring of uncle and niece, and was first cousin to her husband.	Farmer.	1855	18 23
28	M. F.	Sanguine. Phlegmatic.	Both bad constitutions; husband, epileptic; wife, scrofulous. Both the parents and grandparents of the husband were first consins. The parents of the wife were first consins, while she was first cousin to her husband.	Farmer.	1833	19 16
29	M. F.	Phlegmatic. Choleric.	Both strumous. The wife was the only child of first consins, and her family once remarkably prolific. She was second cousin to her husband, and ultimately died of phthisis.	Lawyer.	1820	18 14
30	M. F.	Phlegmatic. Melancholic.	Both disposed to strumous disorders. The wife was product of a union between uncle and niece, and was first cousin to her husband.	Farmer.	1833	18 15
31	M. F.	Sanguine. Lymphatic.	Very vigorous constitution, regular habits; descended from a family remarkably athletic and long-lived. This family connection is so extensive and have so frequently intermarried, that the network of kinship cannot now be unravelled.—No report of wife's health or ancestry, is first cousin to her husband.	Farmer.	1822	25 23
32	M. F.	Nervous. Lymphatic.	Both good health and regular habits; husband of diminutive stature, same family as male of No. 31; wife, no report of ancestry, is first cousin to her husband, died ultimately of cachexy and dropsy.	Farmer.	1815	25 23

*themselves the Offspring of Kindred Parents—Continued.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
7	3	4	..	..	..	..	..	..	..	1	1	..	17	Fever.	The survivors are all good looking and healthy; four of them are near-sighted; all are married, and to parties not previously allied to them. All these marriages have proved barren, except that of one female, who has had two husbands, and borne one daughter, whether by first or second husband not reported.
8	5	3	..	..	..	..	..	..	..	2	1	..	—5 20	Unknown. "Killed."	Survivors all healthy, and very sensible; two daughters and one son are albinos and near-sighted.
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	This child is now in her twelfth year, is healthy and very much like her mother.
4	3	1	4	..	..	..	..	..	4	2	1	1	—1	Convulsions.	The mother aborted once.
8	5	3	8	1	..	1	..	..	8	6	3	3	—6	Convulsions.	These were the first instances of idiocy and mutism known in the history of the family. In addition to these births, there were three abortions.
2	1	1	2	..	..	..	..	..	2	2	1	1	—1	Tuberculosis.	These children probably died of tubercular meningitis. Mother aborted once.
7	3	4	7	4	4	6	..	..	7	4	1	3	—6	Unknown.	The four mutes were also idiots and blind. Mother aborted once.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile, never pregnant.
13	7	6	8	..	..	3	1	..	8	4	2	2	1 7 2	Hydrocephalus 1. Convulsions 1. Cholera infantum 2.	Mother suffered three miscarriages.
6	..	..	4	..	..	1	..	..	1	2	1	..	18	Tuberculosis 1. Unknown 1.	The scrofulous child died of combined influence of the exhaustion from long standing coxalgia and pulmonary phthisis. Two of the survivors, a boy and a girl, are dwarfs, aged respectively 16 and 18; they are the size of, and resemble, children of 8 and 10 years of age.
4	2	2	2	..	..	..	..	..	..	..	..	..	..	..	Both of the sons are of very diminutive stature. One of the daughters, after bearing many children, died of dropsy; the other now exhibits tendency to the same disease.

CLASS C.—*Marriage between Cousins,*

PARENTS.							
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
						M.	F.
33	M. F.	Bilious. Sanguine.	Both good health and regular habits; husband, same ancestry as males of Nos. 31 & 32, and is dwarfish; wife, no report of ancestry, first cousin to husband, is tall and corpulent.	Farmer.	—1835	..	..
34	M. F.	Unknown. "	No report of health or habits; husband of the same ancestry as Nos. 31, 32, & 33; wife is third or fourth cousin to her husband.	Farmer.	—1835	..	..
35	M. F.	Unknown. "	Both good health and habits; wife is daughter to No. 439, and first cousin to her husband, has very protracted labors.	Farmer.	1851	..	..
36	M. F.	Unknown. "	Good habits, not healthy; was son to No. 5, Class E; first cousin to his wife.—Wife, good health and habits; after bearing two children, her husband died, and she married a man not related, and had many abortions, but no living child.	Farmer.	—1835	..	..
37	M. F.	Unknown. "	Both good health and habits; female was daughter to No. 434, Class E, and first cousin to her husband. The male died at 32, disease unknown; female died at advanced age, of phthisis.	Farmer.	—1835	30	20
38	M. F.	Unknown. "	Both good health; female same as in No. 37, and daughter to No. 434, first cousin to her husband, died of phthisis at very advanced age.	Farmer.	—1835	30	..
39	M. F.	Unknown. "	Good physical development, health, and habits, son to No. 434, Class E, and brother to female No. 37 & 38, first cousin to wife.—Wife, good health and habits.	Farmer.	—1835	30	20
40	M. F.	Unknown. "	Good health, habits irregular and intemperate, was first cousin to his wife.—Wife was dyspeptic, and suffered from uterine derangements; was daughter to No. 424, Class E.	Farmer.	—1835	40	30-40
41	M. F.	Phlegmatic. Unknown.	Both healthy, with temperate active habits; the husband is descendant of No. 485, Class E, and is first cousin to his wife.	Farmer.	1832	25	..
42	M. F.	Unknown. "	Both supposed to be healthy; the male is offspring of No. 490, Class E, and is first cousin to his wife.	Merchant.	1842	Young.	
43	M. F.	Bilious. Nervo-lymphatic.	The male is now laboring under hypochondriasis; he was the offspring of a marriage between first cousins, and was first cousin to his wife.—Female supposed to be of good health and habits.	Farmer.	1820	25	20
44	M. F.	Unknown. "	Good health and habits.—Female was daughter to No. 424, Class E, and first cousin to her husband; was not robust; habits, good.	Farmer.	—1835	30	20
45	M. F.	Unknown. "	Good health, but intemperate.—Female was daughter to No. 424, Class E, first cousin to husband.	Farmer.	—1835	30	21
46	M. F.	Bilious sanguine. "	Both supposed to be of good health and habits, and of superior mental developments; female was daughter to No. 510, Class E, and second cousin to her husband.	Merchant.	1837	Young.	
47	M. F.	Nervo-sanguine. "	Both light hair and eyes, good health and habits; female was daughter to No. 25, Class D, and first cousin to her husband; died a few years after marriage of tuberculosis.	..	1835	Young.	

*themselves the Offspring of Kindred Parents—Continued.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
5	4	1	5	...	...	1	...	...	...	1	1	..	..	Typhoid fever.	The children are all dwarfs, though the sons, following the mother, are of good flesh, although of small stature.
8	8	...	4	...	...	...	...	...	...	...	...	...	..	..	Four have arrived at adult age, and their stature is less than 4 feet 6 inches.
2	...	...	...	...	...	...	...	...	...	...	...	...	..	..	Not robust, tolerably healthy.
2	2	...	...	...	...	...	...	...	...	...	...	...	..	..	More diminutive than their parents, but not otherwise defective.
1	1	...	...	...	...	...	...	...	...	1	1	..	23	Phthisis.	..
5	3	2	...	...	...	...	...	...	...	1	1	..	..	Phthisis.	No defects reported among survivors.
8	4	4	1	...	...	...	...	...	...	...	...	...	..	..	One daughter has spinal curvature, nothing unusual about the others.
2	1	1	2	...	...	...	...	...	...	...	...	...	..	..	Both unhealthy, and unattractive in personal appearance.
9	6	3	3	...	...	...	...	...	...	...	...	...	..	..	These children are all living and healthy, with sound minds. Three have strabismus, no other defects.
..	...	...	...	...	...	...	...	...	...	...	...	...	..	..	Sterile.
7	3	4	7	...	...	7	1	...	...	...	...	...	..	..	These children have scarcely intellect sufficient to enable them to work on a farm, the insane daughter is confined in a cage at her father's house. Two of the sons at 24 and 26 are bald, as is their father.
6	3	3	...	...	...	...	...	...	...	...	...	...	..	..	No defects.
8	4	4	...	...	...	...	...	...	...	...	...	...	..	..	One daughter myopic, no other defects.
7	4	3	...	...	...	...	...	...	...	...	...	...	..	..	All normal.
1	1	...	...	...	...	...	...	...	...	1	1	..	—12	Scarlatina.	Normal and good intellect.



CLASS C.—*Marriage between Cousins,*

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
						M. F.
48	M. F.	Nervo-sanguine. “	Same male as in No. 47.—Female, sister to female in No. 47.	..	1844	.. ..
49	M. F.	Unknown. “	Both healthy, habits unknown; wife was daughter to No. 93, Class F, and second cousin to her husband.	Farmer.	1852	27 22
50	M. F.	Lymphatic. Melancholic.	Healthy and regular habits, but leading an inactive life, is son to No. 94, Class F, and second cousin to his wife.—Wife healthy and regular habits.	Of leisure.	1835	25 22
51	M. F.	Unknown. “	Both good health and habits; the male filled a position of high political honor and trust, and was the offspring of first cousins, and first cousin to his wife.	Lawyer.	—1835	Young.
52	M. F.	Unknown. “	Both good health and habits; male was brother to male in No. 51, and first cousin to his wife. The males of Nos. 51 & 52 were nephews to male in No. 541, Class E. A third brother married out of the family, and has one healthy and promising son.	Mariner.	..	Young.
53	M. F.	Unknown. “	Both good health and habits. Both were offspring of first consins, and were third consins to each other; they resembled greatly, and were feeble minded.	..	..	.. ..
54	M. F.	Unknown. “	Of good health and mind, and fine physique, was nephew to male No. 561, Class E, and after death of his wife married a woman not related, who bore him three children conspicuous for beauty, brightness, and vigor.—Wife, feeble in body and mind; daughter to No. 561, in Class E, and first consin to her husband.	..	—1835	Young.
55	M. F.	Unknown. “	Both good health and habits. Grandparents to both parties were first consins, and they were first consins.	..	—1835	Young.
56	M. F.	Unknown. “	Both good health; male was offspring of No. 111, Class F, and was first consin to his wife.	..	—1835	Young.
57	M. F.	Unknown. “	Both good health and habits. The parties were first consins, and the grandmothers of each were sisters. Consumption was not a family disease, yet the female died of this disease at the age of forty.	..	—1835	Young.
58	M. F.	Unknown. “	Both were very thin, nervous, and melancholic, but otherwise in good health. They had the same peculiarities of form, manner, &c. Both were offspring of first consins, and were first consins to each other; were wealthy, and in circumstances favorable to develop offspring.	Farmer.	1815	Young.

*themselves the Offspring of Kindred Parents—Continued.*

CHILDREN.																
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.				
3	..	3	1	..	..	1	..	..	..	1	1	..	4	..	The idiot died; the survivor, one 7 and the other 4, are hardly an average in intellectual development.	
3	1	1	..	..	..	..	..	..	..	1	..	..	..	Stillborn (sex unknown).	The survivors are healthy, aged 1 and 4 years.	
5	4	1	1	..	..	..	..	..	1	4	3	1	10 mos.	Unknown 1.	These children were all healthy previous to their final sickness, except the one affected with scrofula.	
													2	Scarlatina.		
													6	"		
													9	Dysentery 1.		
4	..	..	4	..	..	1	..	..	2	2	..	..	..	Scrofula 2.	One of the survivors has strabismus, the other is idiotic.	
4	..	..	4	..	..	1	..	..	4	..	..	..	..	..	One is of precocious intellect, one an idiot, two imbecile; all scrofulous.	
2	..	..	2	..	..	2	..	1	2	..	..	..	..	..		
3	..	..	2	..	..	1	..	..	2	..	..	..	—1 mo.	Erysipelas 1. Marasmus 1.	The living child aged twelve is dwarfed mentally and physically.	
7	..	..	7	1	..	1	..	..	..	..	..	..	..	..	One has heart disease, several are cross-eyed, none without some blemish or defect.	
4	..	..	4	..	..	..	..	..	..	3	..	..	1 mo.	Cyanosis 1.	The survivor is of feeble intellect, and has, like those who died, a distorted spine.	
8	2	5	..	..	..	..	..	..	..	5	1	3	28	Phthisis.	Of the survivors two certainly have consumption, and the third probably has.	
													22	"		
													18	"		
													17	"		
													—5	Unknown.		
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	All were thin, small, and deficient in constitution. The female, though apparently in tolerably good health, has not menstruated for 14 years. They all married relations. See Nos. 59 & 60, C.	
															The second son of No. 58 married a woman not related, who bore him one sickly child, which soon died; after death of his wife he married a second cousin, who bore children, but the reporter was not informed as to their condition.	

CLASS C.—*Marriage between Cousins,*

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
59	M. F.	Unknown. "	Both were thin, nervous, and of delicate constitution. The male was offspring to No. 58, and first cousin to his wife, who was also offspring of first cousins; he died two years after marriage, and his widow marrying a man not related, has borne one healthy child.	Farmer.	1840	M. 21 F. ..
60	M. F.	Unknown. "	No report of health or habits. The female was daughter to No. 58, and second cousin to her husband. The husband died four years after marriage, and she still lives in widowhood.	Farmer.	..	.. ..
61	M. F.	Unknown. "	Both very small and delicate, and resemble in form and family characteristics. The female died some years after marriage, and the male married a woman not related, who has borne several children, condition unknown. These parties were each descendant of first cousins, and were themselves first cousins.	..	..	.. ..

*themselves the Offspring of Kindred Parents—Continued.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
1	..	..	..	..	..	..	..	..	..	1	..	..	..	Stillborn.	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Either stillborn or died at birth.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
						M. F.
1	M. Sanguine.		Both ordinarily good constitution and habits.	Farmer.	1841	20 20
	F. Phlegmatic.					
2	M. Bilious.		Healthy; dark hair, skin, and eyes; rather grave in disposition; in person small, but well formed.—Wife, dark hair, skin, and eyes; dyspeptic, but otherwise healthy; cheerful disposition.	Farmer.	1832	25 20
	F. Bilio-lymphatic.					
3	M. Bilious.		Healthy; dark complexion, hair, and eyes; morose and melancholy in disposition.—Wife, fair skin, light hair, and blue eyes; not very healthy, but generally cheerful.	Farmer.	1841	33 33
	F. Nervous.					
4	M. Sanguine.		Good constitution; tall, dark hair; no irregularities.—Wife, unhealthy, dyspeptic; light hair and eyes, good skin.	Farmer.	1831	31 26
	F. Nervous.					
	Bilious.		Dark hair, skin, and eyes; subject to facial neuralgia, otherwise healthy.—Wife, very healthy; dark hair, skin, and eyes.	Farmer.	1817	20 18
5	M. " "					
	F. " "					
6	M. Bilious.		Both healthy and muscular, with dark hair, complexion, and eyes; temperate habits.	Farmer.	1817	20 20
	F. " "					
7	M. Nervous.		Medium good health, habits good.—Wife, consumptive; habits good.	Carpenter.	1837	22 18
	F. " "					
8	M. Sanguine.		Good health, and temperate habits; large, tall, and well formed, with fair skin, light hair, and blue eyes.—Wife, dark hair and eyes, good health until within four past years, since when has uterine disorder. Both of strong minds.	Farmer.	1826	30 25
	F. Bilious.					
9	M. Nervous.		Delicate constitution; intemperate habits.—Wife, good health and habits.	Farmer.	1847	23 ..
	F. Bilious.					
10	M. Sanguine.		Good health and habits.—Wife, feeble constitution, active habits; small in stature.	School teacher.	1825	30 18
	F. Nervous.					
11	M. Phlegmatic.		Both good health, and still living, though very old.	Physician.	1800	Young.
	F. Bilious.					
12	M. Sanguine.		Both good health and habits.	Merchant.	1836	26 27
	F. Bilious.					
13	M. Unknown.		Healthy, leading an active life, good habits.—Wife dyspeptic.	Farmer.	1830	Young.
	F. " "					
14	M. Bilious.		Good health and habits.—Wife, delicate, good habits.	Farmer.	1856	27 ..
	F. Nervous.					
15	M. Unknown.		No report; but persons of high position, and supposed good health and habits.	Wealthy, no occupation.	1826	Young.
	F. " "					
16	M. Sanguine.		No report of health or habits.	..	1823	Young.
	F. Nervo-bilious.					
17	M. Unknown.		Both good health and habits.	Farmer.	—1835	Young.
	F. " "					



*Double Cousins.*

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
7	3	4	...	...	...	...	...	...	...	5	2	3	1 to 6
6	...	...	...	...	...	...	...	...	...	5	...	...	Infancy.
8	5	3	...	...	...	...	...	...	...	3	2	1	1 Birth.
7	2	5	...	...	...	...	...	...	...	1	...	1	..
7	...	...	1	...	...	1	...	...	...	2	...	...	..
8	4	4	...	...	...	...	...	...	...	...	...	...	..
1	1	...	1	...	...	...	...	...	...	...	...	...	..
9	...	...	...	...	...	...	...	...	...	2	...	...	..
4	...	...	4	...	...	...	...	...	4	...	...	...	..
5	2	3	5	...	...	...	5	...	5	3	...	3	20
10	...	...	3	...	...	2	...	...	9	...	...	...	26
5	2	3	5	1	...	...	...	...	3	...	...	...	27
6	...	...	1	...	...	...	1	...	4	...	...	...	..
1	1	...	1	...	...	...	...	1	...	...	...	...	..
4	2	2	...	...	...	...	...	...	1	...	...	...	24
9	3	6	3	...	...	...	...	...	1	...	1	...	..
6	...	...	6	...	...	1	...	1	...	...	...	...	..

## CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.Bilious fever and  
intestinal worms.

Sex unknown, as all died in infancy, except one, a female, who is now 15 years old, dark hair, skin, and eyes, scrofulous and unhealthy, but good looking.

Unknown.

Survivors not very healthy.

Dyspepsia.

Survivors nearly all grown, and quite unhealthy.

Stillborn.

Survivors unhealthy; one dyspeptic, one neuralgic, one a semi-idiot.

..

All grown and healthy; no defects, except one male is cross-eyed.

..

Dwarf.

Unknown.

Survivors small, but healthy; three are albinos and myopic, otherwise apparently normal and mentally bright.

..

One stammers badly.

Insanity.

Survivors feeble, with undoubted signs of early decay.

"

"

Phthisis.

The only living child is a physician of ordinary capacity, and has never had a tooth; the last child was also born without a palate, and otherwise deformed about the mouth.

..

Children could not hold up their heads until between 1 and 2 years old, nor walk until between 2 and 3.

Scarlatina 1.

Mother had several abortions, then three children, who perished a few days after birth; of the survivors, one is healthy, the other epileptic.

..

Brain fever.

The survivors healthy, and have married, having themselves healthy children.

..

The three males have a spinal weakness, by which they are prevented from rising from a sitting posture without first rotating the body from side to side, and when placed recumbent upon the back are compelled to turn upon their faces before rising.

..

Poor, weak, feeble things, both mentally and physically.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
18	M. F.	Unknown. "	Both good health and habits; male, vigorous intellect; female, feeble-minded.	Farmer.	—1820	M. F. Young.
19	M. F.	Unknown. "	No report of health or habits.	..	—1835	..
20	M. F.	Unknown. "	Both ordinarily healthy, with gray eyes, dark skin and hair.	Farmer.	1838	24 20
21	M. F.	Unknown. "	Both ordinarily healthy, with dark eyes, hair, and skin.	Iron smith.	1790	22 17
22	M. F.	Sanguine. "	Not very healthy; light hair, skin, and eyes.	Clothier.	1805	21 20
23	M. F.	Unknown. "	Both good health and habits.	..	—1835	Young.
24	M. F.	Sanguine. Nervous.	Both good constitutions and temperate habits.	Farmer.	1848	22 19
25	M. F.	Sanguine nervous. "	Both light hair and eyes, good constitution and habits.	..	—1825	Young.
26	M. F.	Unknown. "	Both of ordinary good health; the father is subject to attacks of periodical hemierania.	..	—1835	Young.
27	M. F.	Nervous. Bilious.	Both good health and habits, and good intellectual culture. These parties are first cousins to each other, while the father of one and mother of the other are first cousins; thus they are nearer than first cousins.	Merchant.	1848	25 22

*Double Cousins—Continued.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
6	2	4	6	..	..	..	..	..	..	..	..	..	..	..	These children were healthy, but of very inferior minds, in fact, almost idiotic; they were near-sighted, and had hair, eye-brows, and lashes of a snowy whiteness. Were albinos.
2	..	..	..	..	..	..	..	..	..	1	..	..	1 day.	Imperfect develop- ment.	Ossification seemed not to have occurred, as the limbs were entirely flexible.
6	5	1	1	..	..	..	..	1	..	1	1	..	3	Unknown.	
4	2	2	..	..	..	..	..	..	..	3	..	..	20 to 30	Fever 1. Consumption 1. Over work 1.	
7	5	2	1	..	..	1	..	..	..	3	..	..	1 to 2	..	..
3	..	..	3	..	2	..	..	..	..	..	..	..	..	..	All of them were very feeble.
4	1	3	..	..	..	..	..	..	..	..	..	..	..	..	All healthy with good minds.
7	5	2	..	..	..	..	..	..	..	4	4	..	—12	Scarlatina 4.	One daughter died after marriage of tuberculosis; the other is living, and female to No. 48, Class C. The son has strabismus convergens.
10	2	5	1	1	..	..	..	..	..	3	..	..	10 mos.	Marasmus 1. Stillborn 2.	These children are all dull and peculiar; the mute has slight strabismus. One son has the appearance of being prematurely old.
2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	One has had chorea, the other healthy.

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
						M.	F.
1	M. F.	Leucophlegmatic.	Constitutions delicate; temperate and good habits.	Farmer.	1825	23	20
2	M. F.	Sanguine.	Robust; a moderate drinker.—Wife, delicate; good habits.	Farmer.	1851	25	20
3	M. F.	Leucophlegmatic.	Predisposed to paralysis; temperate, good habits.—Wife, consumptive tendency; good habits.	Clerk.	1825	30	21
4	M. F.	Unknown.	Constitution unknown; dissipated habits.—Wife, good constitution and habits.	Farmer.	1818	..	..
5	M. F.	Unknown.	Both male and female were supposed to have predisposition to heart disease; both died suddenly, but at advanced age.	Farmer.	—1800	30	20
6	M. F.	Unknown.	Not robust; good habits.—Wife, very corpulent, tendency to heart disease; good habits.	Farmer.	—1835	.	..
7	M. F.	Lymphatic.	Very corpulent and asthmatic; brother to female No. 6.—Wife, good constitution and habits.	Farmer.	—1835	30	30
8	M. F.	Unknown.	Both good constitution and habits.	Farmer.	—1835	..	..
9	M. F.	Unknown.	Both good constitution and habits; husband, brother to male No. 8.	Farmer.	—1835	..	..
10	M. F.	Unknown.	Both good constitution and habits; male, rather below ordinary size.	Farmer.	—1835	..	..
11	M. F.	Unknown.	Same male as No. 10.—Female, good constitution and habits.	Farmer.	..	..	Near 40
12	M. F.	Unknown.	Both good constitution and habits.	Farmer.	—1835	..	..
13	M. F.	Unknown.	Both good constitution and habits; female, sister to male No. 12.	Farmer.	—1835	..	..
14	M. F.	Unknown.	Both robust and good habits; female died after birth of third child.	Farmer.	—1835	..	..
15	M. F.	Bilious.	Robust, strong constitutions, with no bad habits, except being intolerable tobacco smokers; this applies to both.	Farmer.	1834	20 to 30	20 to 30
16	M. F.	Sanguine.	Robust, healthy constitutions, with no bad habits but smoking tobacco.	Farmer.	1827	23	25
17	M. F.	Leucophlegmatic.	Both excellent constitutions and habits; never sick; Nos. 15, 16, & 17 are instances of three brothers marrying three sisters.	Farmer.	1825	29	15
18	M. F.	Sanguino-bilious.	Both of good constitution and habits; the wife, a daughter of husband's maternal uncle.	Mechanic.	1856	26	22
19	M. F.	Sanguine.	Good habits and constitution.—Wife, medium constitutional vigor; good habits.	Farmer.	1845	38	22
20	M. F.	Unknown.	Good constitutions; high livers; otherwise of regular habits.	No occupation.	1810	24	15

*First Cousins.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
8	3	5	3	1	..	3	..	..	..	3	2	1	1	Unknown.	
3	1	2	3	..	..	3	..	1	..	1	..	1	2	Cholera infantum.	
9	5	4	2	1	..	2	..	1	..	2	1	1	2	Epilepsy.	
										9			9	"	
7	4	3	3	1	..	2	..	1	..	..	..	..	..	..	
7	2	3	..	..	..	..	..	..	..	2	..	..	..	Sex and disease unknown.	No noticeable defects, though all the children, except one female, were unhealthy; all exhibited tendency to heart disease except this daughter, and her death occurred so suddenly as to induce belief that she was a victim to the family malady.
5	1	1	..	..	..	..	..	..	..	3	..	..	..	Sex and cause unknown.	The two eldest, a son and daughter, arrived at maturity; several abortions occurred and are not reckoned among the births.
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	Nothing unusual about offspring, both attained to maturity.
7	..	7	..	..	..	..	..	..	..	..	..	..	..	..	Normal in health and sprightliness.
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sex not known; nothing unusual about offspring.
5	4	1	..	..	..	..	..	..	..	..	..	..	..	..	All below usual stature, especially the female, whose short extremities rendered her diminished size more apparent; they have each but two incisors in the upper jaw.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Second marriage barren.
6	4	2	..	..	..	..	..	..	..	..	..	..	..	..	Nothing unusual in offspring beyond a slightly increased want of personal symmetry.
2	..	..	..	..	..	..	..	..	..	1	..	..	..	Sex and disease unknown.	The survivor is defective in both physical and mental development.
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	All normal, physically and mentally; one a preacher of some note.
12	6	6	12	..	..	1	..	1	..	2	1	1	3	Scarlatina.	The epileptic is a female, 13 years old, completely idiotic; the remaining nine are half-witted, on the verge of idiocy.
													6	Dysentery.	One daughter, aged 25, is thought to possess better intellect than either parent. The oldest son is of feeble mind; while the youngest, aged 13, is 3½ feet high, of small proportions, a head not increased in size since his second year, and a complete idiot.
7	3	4	2	1	..	1	..	..	..	2	1	1	3	Scarlatina.	One daughter, aged 25, is thought to possess better intellect than either parent. The oldest son is of feeble mind; while the youngest, aged 13, is 3½ feet high, of small proportions, a head not increased in size since his second year, and a complete idiot.
													8 mos.	Marasmus.	All well developed, handsome, and intelligent.
7	4	3	..	..	..	..	..	..	..	..	..	..	..	..	
2	..	1	1	..	..	..	..	..	..	1	..	1	1 day	Cyanosis.	
2	2	..	2	..	..	..	..	..	..	..	..	..	..	..	Decided mental deficiency in both instances.
6	4	2	2	..	2	..	..	..	..	1	1	..	..	Unknown.	No mental or other defect.



## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
						M.	F.
21	M. F.	Bilious. “	Both of good constitution and habits; the male of large physical development, as likewise the female.	Farmer.	1810	21	18
22	M. F.	Sanguine. Phlegmatic.	Both of ordinarily good constitution and habits.	Farmer.	1835	25	20
23	M. F.	Nervous. Sanguine.	Both of good constitution and habits.	Farmer.	1828	Usual age.	
24	M. F.	Bilious. “	Both of good constitution and habits.	Farmer.	1830	Usual age.	
25	M. F.	Bilious. “	Both of good constitution and habits.	Farmer.	1810	Usual age.	
26	M. F.	Nervous. Phlegmatic.	Both of good constitution and habits.	Farmer.	1833	Usual age.	
27	M. F.	Bilious. “	Both of usually good constitution and habits.	Farmer.	1845	27	18
28	M. F.	Sanguine. Bilious.	Both of usually good constitution and habits.	Farmer.	1830	24	17
29	M. F.	Bilious. Phlegmatic.	Both of usually good constitution and habits.	Farmer.	1835	21	16
30	M. F.	Phlegmatic. Bilious.	Both of usually good constitution and habits.	Farmer.	1818	35	24
31	M. F.	Phlegmatic. “	Both of usually good constitution and habits.	Gambler.	1828	24	20
32	M. F.	Sanguine. Phlegmatic.	Both of usually good constitution and habits.	Farmer.	1832	25	20
33	M. F.	Sanguine. Bilious.	Both of usually good constitution and habits.	Millwright.	1809	25	25
34	M. F.	Bilious. Sanguine.	Both of usually good constitution and habits.	Wheelwright.	1816	25	20
35	M. F.	Phlegmatic. “	Both of usually good constitution and habits.	Farmer.	1815	22	19
36	M. F.	Nervous. Bilious.	Both of usually good constitution and habits.	Farmer.	1836	30	18
37	M. F.	Phlegmatic. “	Both of usually good constitution and habits.	Farmer.	1845	20	23
38	M. F.	Phlegmatic. Sanguine.	Both of usually good constitution and habits.	Farmer.	1851	18	19
39	M. F.	Nervo-bilious. Unknown.	Both of usually good constitution and habits.	..	..	30	18
40	M. F.	Nervo-sanguine. Sanguine.	Both of good constitution and habits.	Merchant.	—1835	26	18
41	M. F.	Nervo-sanguine. Sanguine.	Both good health and habits.	..	..	24	17
42	M. F.	Sanguine. Bilious.	Both good health and habits.	..	..	29	22
43	M. F.	Nervo-sanguine. Sanguine.	Both good health and habits.	..	—1835	27	21
44	M. F.	Nervo-bilious. Sanguine.	Both good health and habits.	..	—1835	24	20
45	M. F.	.. Nervo-bilious.	Both good health and habits. By a previous marriage to a husband not related, the mother had borne four children, three sons and a daughter, healthy and perfectly developed.	..	—1835	..	..

## First Cousins—Continued.

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
12	4	8	..	..	..	..	..	..	..	1	1	1	2 mos.
3	..	3	..	..	..	..	..	..	..	1	..	1	2
2	2	..	2	..	1	..	..	1	2	2	..	..	21
5	2	3	2	2	..	..	..	..	..	..	..	..	25
7	4	3	2	1	1	1	..	..	..	..	..	..	..
4	..	..	3	..	..	..	..	..	..	..	..	..	..
5	1	4	2	..	1	1	..	..	1	..	1	..	4
5	2	3	1	..	1	..	..	..	..	..	..	..	..
8	3	5	3	..	1	1	..	..	1	..	1	..	2
6	3	3	..	..	..	..	..	..	3	1	..	..	12
5	..	5	1	..	..	..	..	1	1	..	1	..	6 mos.
1	1	..	..	..	..	..	..	..	..	..	..	..	..
9	6	3	7	..	7	..	..	..	6	3	3	..	—16
6	4	2	3	..	1	2	..	..	2	2	..	..	6 to 12
10	7	3	..	..	..	..	..	..	2	2	..	..	—1
5	1	4	1	..	..	..	1	..	1	1	..	..	1
5	2	3	2	..	2	..	..	..	1	..	1	..	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	2	1	..	..	..	..	..	..	..	..	..	..	..
4	2	..	1	..	..	..	..	..	2	..	..	..	..
1	..	1	..	..	..	..	..	..	..	..	..	..	..
1	..	1	..	..	..	..	..	..	..	..	..	..	..
2	1	1	..	..	..	..	..	..	..	..	..	..	..
4	2	2	..	..	..	..	..	..	..	..	..	..	..
4	1	3	3	3	..	..	..	..	..	..	..	..	..

## CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.

Unknown.

All physically well-developed, but exhibit great apathy and dulness in exercise of mental faculties.

Unknown.

Unknown.

Consumption.

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One cross-eyed and extremely ugly. The blindness was not congenital but caused by accident.

Pneumonia. Unknown. Scrofula.

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1 burned, others unknown. Unknown.

One a male, malformed genitals; three strabismic.

Epilepsy.

Bilious fever.

..

This union to this date has proved sterile.

All healthy and sprightly.

Stillborn.

The sex of stillborn unknown; of the survivors, one is well developed and healthy, the other defective mentally and physically. He is of remarkably small stature, articulates imperfectly, and has an unique (not otherwise described) defect of the eyes, which nearly destroys their usefulness. His mother attributes this defect to having unexpectedly met, during pregnancy, a blind man upon a stairway.

Healthy and sprightly. Mother died soon after confinement.

Healthy and sprightly. Father died soon after its birth.

Both well developed and healthy.

All normal and sprightly.

The son and one daughter are entirely deaf and dumb; another daughter is a semi-mute, hears and articulates very imperfectly.

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
						M.	F.
46	M. F.	Lymphatic. Bilious.	Both of good constitution and habits.	Farmer.	1818	..	..
47	M. F.	Bilious. "	Dyspeptic.—Wife, good health and industrious regular habits.	Blacksmith.	1832	24	25
48	M. F.	Sanguine. Bilious.	Constitution infirm; slothful habits.—Wife, good constitution and habits.	Farmer.	1815	30	25
49	M. F.	Bilious. Sanguine.	Both good health and habits; female muscular, remarkable for physical development.	Farmer.	1834	27	17
50	M. F.	Sanguine. Bilious.	Both good health and habits; father muscular.	Farmer.	1836	20	18
51	M. F.	Bilious sanguine. "	Both of sound constitution; laborious and temperate habits.	Farmer.	1817	22	18
52	M. F.	Sanguine. Bilious.	Sound constitution; laborious and temperate.—Wife, feeble constitution; industrious.	Farmer.	1820	21	18
53	M. F.	Sanguine. Nervous.	Male strong, female feeble constitution; both temperate and industrious.	Farmer.	1848	24	19
54	M. F.	Sanguine. Nervous.	Both ordinarily good constitutions and habits.	Farmer.	1850	21	19
55	M. F.	Sanguine. Nervous.	Both ordinarily good constitutions and habits.	Farmer.	1837	..	..
56	M. F.	Sanguine. Nervous.	Both ordinarily good constitutions and habits.	Farmer.	1840	..	..
57	M. F.	Sanguine. "	Both good constitutions; temperate and regular.	Preacher.	1840	22	20
58	M. F.	Sanguine. Lymphatic.	Both good constitutions; temperate and regular.	Preacher.	1830	..	..
59	M. F.	Sanguine. Melancholic.	Both robust and temperate.	Farmer.	1831	35	..
60	M. F.	Bilious. "	Male, infirm health; female, good health; no irregularities reported. The father has for thirty years had a rough desquamating cuticle on a portion of one leg.	Farmer.	1823	28	20
61	M. F.	Lymphatic. Choleric.	Temperate habits; health not reported.	Farmer.	1825	22	..
62	M. F.	Lymphatic. Choleric.	Temperate habits; health not reported.	Farmer.	1830	24	..
63	M. F.	Sanguine. Lymphatic.	Male, robust; female, delicate. Both temperate.	Farmer.	1835	25	..
64	M. F.	Lymphatic. "	Both robust; temperate.	Laborer.	1854	18	..
65	M. F.	Lymphatic. Sanguine.	Temperate. No report of health.	Farmer.	1833	25	..
66	M. F.	Lymphatic. Sanguine.	Temperate. No report of health.	Farmer.	1830	26	..
67	M. F.	Choleric. "	Good constitutions and temperate habits.	Preacher.	1825	21	..

## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
6	4	2	4	..	3	3	..	..	..	1	1	..	2	Scarlatina.	One, a female, is both blind and idiotic, and has also cleft palate and hare-lip. The blindness is due, in every instance, to congenital cataract.
8	4	4	1	..	..	..	..	1	..	1	..	1	1 mo.	Phrenitis (convulsions).	Six of the seven survivors have good health and ordinary intellectual capacities.
8	6	2	7	5	..	7	..	..	..	6	..	..	..	..	Five had club-foot; one idiot lived to 14th year; the others died before 5th year, except one daughter who arrived at puberty, married, and died in her first labor.
16	8	8	1	..	..	..	..	..	1	5	..	..	..	Scarlatina 1. Diarrhoea 1. Tracheitis 1. Dysentery 1. Diseased lungs 1. Dysentery.	These children have only medium physical or intellectual development.
8	4	4	..	..	..	..	..	..	..	1	..	..	..	..	The survivors are of small physical proportions; intellect normal.
9	4	5	1	..	..	1	..	..	..	4	2	2	1 to 15	Scarlatina 1. Pneumonia 1. Pulmonary disease 2.	The deaths occurred from infancy to 24; two of scarlatina, others unknown. The survivors exhibit weakness of intellect, but not reaching idiocy.
8	4	4	2	..	1	..	..	1	5	1	4	..	..	..	
4	1	3	1	..	..	..	..	..	1	3	1	2	1 to 3	Scrofula 1. Scarlatina 2.	All small, feeble, and nervous.
1	1	..	1	..	..	..	..	..	1	1	1	..	1½	Scrofula.	
9	6	3	..	..	..	..	..	..	..	1	..	1	..	..	..
6	4	2	..	..	..	..	..	..	..	1	1	..	3	Cerebral disease.	The five blind and idiots have a leprosy disease of the skin; the eyes present a nebulous appearance; the oldest had, as was supposed, rheumatism in infancy, which has made him a cripple ever since; but three of the survivors have good health.
5	..	5	..	..	..	..	..	..	..	1	..	1	4	Scarlatina.	
5	..	4	..	..	..	1	3	..	2	..	..	..	..	Convulsions 2.	All were children by a second marriage; first marriage, no defects in offspring.
8	5	3	..	..	..	..	..	..	..	1	1	..	..	Dysentery.	
13	7	6	6	..	5	5	..	4	..	3	3	..	3 2	Epilepsy and leprosy 1. Croup 1. Birth 1.	The five blind and idiots have a leprosy disease of the skin; the eyes present a nebulous appearance; the oldest had, as was supposed, rheumatism in infancy, which has made him a cripple ever since; but three of the survivors have good health.
6	3	3	3	..	..	..	..	..	3	1	..	1	18	Puerperal fever.	All were children by a second marriage; first marriage, no defects in offspring.
2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
4	1	3	3	..	..	..	..	..	..	..	..	..	..	..	One blind in one eye congenitally; two dwarfs; intellect bright.
2	1	1	1	..	..	..	..	..	..	1	..	..	..	Umbilical hernia.	Congenital umbilical hernia.
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	Both are well endowed physically and mentally.
9	4	5	9	..	..	..	..	..	9	2	..	..	..	Cholera infantum.	All are of feeble health.
7	2	5	1	..	..	..	..	..	..	2	..	..	..	Croup 1. Phthisis 1.	One with club-feet, others normal.

PARENTS.									
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.			
						M.	F.		
68	M.	Sanguine.	Male, robust; female, delicate. Both temperate.	Farmer.	1837	23	..		
69	F.	Lymphatic.	Good constitution and habits.	Farmer.	1840	24	..		
70	M.	Sanguine.	Good constitution and habits.	Saddler.	1853	26	..		
71	F.	Lymphatic.							
71	M.	Atra-bilious.	Good constitution; indolent and in-temperate.	Farmer.	1840	21	..		
72	F.	Unknown.							
72	M.	Choleric.	Good constitutions and temperate habits.	Physician.	—1835	..	..		
73	F.	"							
73	M.	Lymphatic.	Not good, intemperate habits.—Wife, not reported.	Mechanic.	—1835	..	..		
74	F.	Sanguine.							
74	M.	Choleric.	Both good and temperate habits.	Farmer.	1850	24	..		
75	F.	Sanguine.							
75	M.	Choleric.	Both good and temperate habits.	Farmer.	—1835	..	..		
76	F.	Sanguine.							
76	M.	Choleric.	Both good and temperate habits.	Farmer.	..	..	..		
77	F.	"							
77	M.	Sanguine.	Both good and temperate habits.	Farmer.	..	..	..		
78	F.	Lymphatic.							
78	M.	Bilious.	Both good and temperate habits; husband dark hair, healthy skin; wife, light hair and skin; healthy.	Farmer.	1830	24	30		
79	F.	Sanguine.							
79	M.	(Same as in 78.)	Good constitution and habits; light hair and skin.—Wife, died fifteen years after marriage.	Farmer.	1834	28	..		
80	F.	Sanguine.							
80	M.	Bilious.	Both dark hair, skin, and eyes; small, well-proportioned, healthy and temperate.	Farmer.	1837	25	20		
81	F.	"							
81	M.	Unknown.	Both good health and habits.	Farmer.	1775	24	..		
82	F.	"							
82	M.	Unknown.	Both good health and habits.	Farmer.	1794	40	..		
83	F.	"							
83	M.	Nervo-lymphatic.	Good health and habits.—Female, turbulent.	Farmer.	1837	26	20		
84	F.	Nervous.							
84	M.	Nervous.	Good health and habits.—Female, dyspeptic.	Farmer.	1817	21	17		
85	F.	"							
85	M.	Unknown.	No report.	Farmer.	1827	..	..		
86	F.	"							
86	M.	Unknown.	Both good health and habits.	Farmer.	1788	25	..		
87	F.	"							
87	M.	Unknown.	Both good health and habits.	Farmer.	1833	35	..		
88	F.	"							
88	M.	Bilious.	Good health and habits.—Female, fair constitution; habits good.	Miner.	1842	21	20		
89	F.	Sanguine-bilious.							
89	M.	Nervo-bilious.	Good health and habits.—Female, confined to bed six years with uterine malady.	Farmer.	1827	22	22		
90	F.	"							
90	M.	Unknown.	Both good health and habits.	Farmer.	1830	37	..		
91	F.	"							
91	M.	Unknown.	Both good health and habits.	Farmer.	1832	25	..		
92	F.	"							
92	M.	Lymphatic.	No report.	Farmer.	1822	25	20		
93	F.	"							
93	M.	Lymphatic.	Good health; moderate drinker.—Female, good health and habits.	Farmer.	1797	20	18		
94	F.	Nervous.							
94	M.	Unknown.	Both good constitutions and habits. No surrounding circumstances known calculated to affect development of offspring.	Farmer.	1825	Usual age.			
95	F.	"							
95	M.	Unknown.	Parents of good constitutions, habits, and mental capacities. The male in Nos. 95, 96, and 97 is the same, and the wife is his first cousin in each instance.	Farmer.	..	..	..		
96	F.	"							
97	M.	"							



## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	Both normal.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
2	1	1	2	..	..	2	..	..	..	1	1	..	..	Typhoid fever.	
4	2	2	..	..	..	..	..	..	..	1	..	1	8	Typhoid fever.	All feeble constitutions; mother died after birth of fourth child.
6	2	4	6	..	..	..	..	..	6	..	..	..	..	..	..
3	1	2	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
7	5	2	2	..	..	..	..	1	1	1	1	1	17	Epilepsy.	
5	..	5	5	..	..	..	..	..	5	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Barren.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Wife died without issue in 1833; the husband then married her younger sister, in No. 79.
6	3	3	1	..	..	..	..	..	1	1	1	..	20	Scrofula.	The remaining children are not very healthy.
5	4	1	..	..	..	..	..	..	..	..	..	..	..	..	Normal and healthy.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
3	1	2	..	..	..	..	..	..	..	..	..	..	..	..	All living; one a clergyman of superior talents.
6	3	3	..	..	..	..	..	..	..	1	..	..	..	Scarlatina.	
7	..	1	6	..	..	..	..	..	6	..	..	..	..	..	All died young but one female; sex of those who died not known.
7	3	4	4	..	..	4	..	..	4	..	..	..	..	..	Survivors have defective constitutions and curvatures of spine.
5	3	2	..	..	..	..	..	..	2	1	1	..	..	..	Three now living, from 60 to 65 years old.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
2	2	..	1	..	..	..	..	..	1	..	..	..	..	Stillborn.	Acephalous; body well formed; no neck, only a hideous face upon the superior extremity of spinal column.
8	3	5	1	..	..	..	..	1	..	1	..	1	2	Whooping-cough.	
2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	Living; æt. 20 and 23.
5	3	2	..	..	..	..	..	..	..	..	..	..	..	..	All living; æt. 4 to 18.
7	..	..	..	..	..	..	..	..	4	..	..	..	..	Unknown.	
8	5	3	4	..	..	4	..	..	3	1	2	..	..	Unknown.	
4	2	2	2	..	..	..	..	2	2	..	2	..	..	Scrofula.	Ordinarily healthy until puberty. Accounts of the females will be found in Class C, Nos. 6 and 7.
5	2	3	1	..	..	..	..	..	..	..	..	..	..	..	All of ordinary mental and physical capacity, except one who is the male parent in observation No. 10, Class C.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
98	M. F.	Unknown.	Both have brown hair; in the father inclining to auburn; gray or hazel eyes, fair skin; habits good; supposed to be strumous in diathesis.	Literary pursuit (wealthy).	1836	M. F. Young.
99	M. F.	Nervous. Bilious.	Fair skin, sandy hair, is supposed to be strumous from his appearance; possesses an active, well developed mind, and good habits.—Mother, unusually good constitution, dark hair and eyes, complexion inclining to brunette, with florid cheeks, is strikingly good looking.	..	1841	Young.
100	M. F.	Sanguine.	Both good health and habits.	Farmer.	—1830	.. ..
101	M. F.	Bilious-nervous. Sanguine.	Strumous diathesis, exceedingly uniform and temperate, with black hair and hazel eyes.—Wife, robust, fleshy, light complexion and hair, blue eyes; good habits.	Farmer.	1840	30 19
102	M. F.	Bilious.	Both good health and habits; husband had been previously married to a woman not related, by whom he had six or eight children, all normal. Both parties to this marriage have black hair and eyes.	Farmer.	1855	40 40
103	M. F.	Sanguine.	Robust, with temperate active habits.	..	—1835	23 19
104	M. F.	Nervo-sanguine. Bilio-nervous.	Wife, healthy; good habits. Robust, with active habits, good intellect.	Farmer.	—1835	22 18
105	M. F.	Bilio-sanguine. Bilio-nervous.	Male, healthy and robust; female, delicate; both good habits.	Physician.	1850	26 34
106	M. F.	Bilio-sanguine. Bilio-lymphatic.	Health not reported. Husband, dissipated habits.	Farmer.	1838	Young.
107	M. F.	Sanguine. Bilio-nervous.	No report.	..	1855	Young.
108	M. F.	Nervo-sanguine. Nervo-lymphatic.	No report.	Farmer.	1850	Young.
109	M. F.	Sanguine.	No report.	Farmer.	1837	Young.
110	M. F.	Strong, sanguine. Nervo-sanguine.	No report of health. Husband, dissipated habits.	..	1840	Young.
111	M. F.	Unknown.	No report of health.	..	1822	Young.
112	M. F.	Bilious (strongly marked.) Nervo-lymphatic.	No report of health.	..	1837	Young.
113	M. F.	Bilious. Unknown	Both robust health and regular habits.	Farmer.	1827	24 19
114	M. F.	Unknown.	Both good health and habits.	Merchant.	—1835	.. ..
115	M. F.	Sanguine. Nervous.	Both good health and habits.	..	1823	19 16
116	M. F.	Bilious. Nervous.	Both good health and habits.	..	1832	23 21
117	M. F.	Bilious.	Both good health and habits.	..	1837	22 18
118	M. F.	Bilious. Nervous.	Both good health and habits.	..	1842	26 15
119	M. F.	Lymphatic. Sanguine.	Both good health and habits.	..	1852	28 25



PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
120	M. F.	Nervous. Unknown.	Constitution not robust; intemperate habits.	Farmer.	1832	M. 24 F. 20
121	M. F.	Bilious. Nervous.	No report.	..	1845	28 20
122	M. F.	Bilious. Nervous.	No report.	..	1854	26 20
123	M. F.	Sanguine-nervous. Nervo-bilious.	Both good health and habits.	Farmer.	1845	Young.
124	M. F.	Unknown. "	Both good health and habits.	Farmer.	1820	Young.
125	M. F.	Sanguine-bilious. Sanguine-nervous.	Both good health and habits.	Farmer.	1815	Young.
126	M. F.	Bilious. Nervous.	Both good health and habits.	Merchant.	1837	26 24
127	M. F.	Nervous. "	Both good health and habits.	Lawyer.	1842	21 21
128	M. F.	Bilious. "	Both good health and habits.	Merchant.	1833	28 22
129	M. F.	Sanguine-bilious. Sanguine-nervous.	Both good health and habits.	Physician.	1842	Young.
130	M. F.	Sanguine-bilious. "	Both good health and habits.	Farmer.	1854	Young.
131	M. F.	Unknown. "	No report.	Mechanic.	—1835	Young.
132	M. F.	Unknown. "	No report.	..	..	Young.
133	M. F.	Unknown. "	No report.	..	..	Young.
134	M. F.	Unknown. "	No report.	..	—1821	..
135	M. F.	Lymphatic. Nervous.	Both good health and habits.	Merchant.	1840	26 24
136	M. F.	Bilious. Nervous.	Both good health and habits.	Machinist.	1828	28 26
137	M. F.	Nervous. "	Both good health and habits.	Merchant.	1833	25 24
138	M. F.	Sanguine-bilious. Bilious-nervous.	Both good health and habits.	Physician.	1849	Young.
139	M. F.	Sanguine-bilious. "	Both good health and habits.	Farmer.	1820	Young.
140	M. F.	Nervo-sanguine.	Both healthy, vigorous constitutions, and good habits.	Merchant.	1853	Young.
141	M. F.	Lymphatic. Sanguine.	Both healthy, with perfectly regular habits.	Physician.	1839	Young.
142	M. F.	Bilious. "	Both healthy, with perfectly regular habits.	Of leisure (wealthy).	1830	Young.
143	M. F.	Bilious. Lymphatic.	Both healthy, with perfectly regular habits.	Of leisure (wealthy).	1837	Young.
144	M. F.	Nervous. "	Both good health and habits; the father is somewhat deaf.	Farmer.	1815	25 Young.
145	M. F.	Bilious. Nervous.	Both good health and habits.	Farmer.	1828	20 Young.
146	M. F.	Nervous. Lymphatic.	Both good health and habits.	Farmer.	1819	23 Young.
147	M. F.	Nervous. Sanguine.	Delicate health; good habits — Wife, good constitution; intemperate.	Farmer.	1832	26 Young.
148	M. F.	Bilious. Nervous.	Both healthy, with good habits.	Profession.	1836	30 23 Young.
149	M. F.	Nervous. "	Both good health; habits doubtful.	Merchant.	1827	20 to 30 20 to 30

## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
8	5	3	8	4	3	..	1	3	..	3	2	1	2 4 9	Convulsions. Phthisis. Spina bifida.	Two of the deaf mutes and one of the blind have also epilepsy and one or more have curvature of the spine.
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	Both living and normal.
3	..	3	2	2	..	..	..	..	..	..	..	..	..	..	..
12	7	5	..	..	..	..	..	..	..	5	..	..	—7	Unknown.	All normal.
11	7	4	..	..	..	..	..	..	..	3	3	..	..	Unknown.	Remainder healthy.
6	1	5	..	..	..	..	..	..	..	1	..	..	2	Scarlatina.	Survivors unusually bright and healthy.
4	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..
5	3	2	5	..	1	..	..	..	..	4	..	..	—7	Convulsions.	The idiot survives, a female, æt. 17.
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	Living and healthy.
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
9	..	..	3	3	..	..	..	..	..	3	..	..	..	Stillborn.	No account of survivors.
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	No account of survivors.
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	All healthy.
9	7	2	2	..	1	..	..	..	..	..	..	..	..	..	Two very defective; one is 32 years old and never spoke; one an idiot.
5	3	2	..	..	..	..	..	..	..	2	..	..	—7	..	Three unusually bright.
2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	Both bright and healthy.
6	2	4	3	..	1	1	..	1	1	..	..	..	..	..	Three last children normal.
6	3	3	..	..	..	..	..	..	..	4	3	1	—6	Croup 1. Meningitis 2.	..
12	6	6	..	..	..	..	..	..	..	..	..	..	..	..	..
2	1	1	2	..	1	..	..	..	..	1	..	..	..	Unknown.	The oldest was born blind and idiotic; the second and survivor is apparently normal in intellect, but is imperfectly developed, not larger than a two months' old child might be expected, although a year old.
6	3	3	..	..	..	..	..	..	..	1	..	..	9	Unknown.	The survivors are remarkable for good deportment.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
11	..	..	1	..	1	..	..	..	..	10	..	..	..	Scrofulous affections.	The only survivor is an idiot (addicted to drunkenness).
11	..	..	..	..	..	..	..	..	..	6	..	..	..	Scrofula and phthisis.	..
3	1	2	3	..	..	..	..	..	3	1	..	..	24	Fever.	One female, supposed to have phthisis.
3	1	2	3	1	..	1	..	..	..	..	..	..	..	..	One a semi-mute.
6	3	3	1	..	1	..	..	..	..	1	..	..	6	Unknown.	The idiot died; survivors of average brightness.
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	Living and unusually bright.

PARENTS.						
Number of observations.	Sex of parents in reference to,	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
150	M. F.	Choleric. “	Subject to rheumatism; irregular habits.—Wife, good health and habits. Both of good minds, but uneducated.	House-builder.	1837	M. F. Young.
151	M. F.	Sanguine. “	Both of good constitutions and habits; circumstances of life favorable to development of offspring.	Farmer.	1829	Young.
152	M. F.	Phlegmatic. “	Constitutions of both parents delicate, particular tendencies to disease not reported; habits and circumstances of life good.	Farmer.	1807	Young.
153	M. F.	Lymphatic. Nervous.	Both good health and habits.	Farmer.	1818	24 22
154	M. F.	Bilious. Nervous.	Both good health and habits.	Machinist.	1833	28 21
155	M. F.	Lymphatic. Nervous.	Both good health and habits.	Farmer.	1846	27 24
156	M. F.	Bilious. Nervous.	Both good health and habits.	Merchant.	1833	26 20
157	M. F.	Nervous. “	Both good health and habits; male subject to depression of spirits.	Merchant.	1817	24 21
158	M. F.	Phlegmatic. “	Both good constitutions; father, very intemperate; mother, good habits. Parents are wealthy.	Farmer.	1832	Young.
159	M. F.	Sanguine. “	Both good constitutions and habits. are robust physically, but of dull minds; in easy, comfortable circumstances of life.	Farmer.	1825	Young.
160	M. F.	Sanguine. “	Both of good constitutions and habits; in humble circumstances of life, but laborious and intelligent.	Shoemaker.	1845	Young.
161	M. F.	Sanguine. “	Both good health and habits; intelligent; wealthy.	Farmer.	1840	Young.
162	M. F.	Phlegmatic. “	Both good health and habits; intelligent; in comfortable circumstances of life.	Farmer.	1842	Young.
163	M. F.	Nervous. Bilious.	Tuberculous; intemperate habits.—Wife, good constitution and habits.	Farmer.	1850	26 20
164	M. F.	Nervo-sanguine. Bilio-sanguine.	Both good health and habits.	Farmer.	—1835	Young.
165	M. F.	Lymphatic. Nervo-sanguine.	Healthy and good habits.—Wife, delicate health, good habits.	Farmer.	1817	Young.
166	M. F.	Unknown. “	Constitutions and habits of both parents good.	Farmer.	1827	Young.
167	M. F.	Unknown. “	No report of health or habits. The husband was of tall, gaunt form, and died ultimately of phthisis.	Clothier.	1749	Young.
168	M. F.	No report.	Good health and frame; red hair; lived to a great age.—Wife, good health; light hair; lived to a great age; niece to husband's father.	Blacksmith.	1776	23 22
169	M. F.	Unknown. “	Robust health and active habits.—Wife, active habits, but for some years showing symptoms of tuberculosis.	Farmer.	1842	Young.
170	M. F.	No report.	Both healthy and temperate.	Farmer.	1851	Young.
171	M. F.	Sanguine. Nervo-sanguine.	Athletic form and constitution; drunken and dissipated in habits.—Wife, good health and habits; quiet and religious.	Farmer.	1824	25 20



*First Cousins—Continued.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
11	8	3	5	...	...	5	...	...	...	5	...	...	3	Convulsions.	The five idiots were all males; all the survivors who are not idiots are of dull minds except one.
													5	"	
													11	"	
													9	Dysentery,	
													15	Typhoid fever.	All living and normal.
9	3	6	...	...	...	...	...	...	...	...	...	...	..	..	
9	4	5	...	...	...	...	...	...	...	...	...	8	..	Consumption.	Ages at death not known; all arrived at puberty.
4	3	1	1	...	...	...	...	...	1	...	...	...	27	Rachitis.	Survivors intelligent.
3	2	1	1	...	...	1	...	...	1	1	...	...	—7	Convulsions.	
2	2	..	1	...	...	1	...	...	2	...	...	...	5	Unknown.	
													—7	"	
8	5	3	4	...	...	2	1	...	1	1	...	...	—7	Convulsions.	Survivors of average brightness.
4	3	1	2	...	...	1	...	...	1	3	...	...	—7	Convulsions.	Eldest idiotic, and survives.
4	2	2	4	4	...	...	...	...	...	...	...	...	..	..	All living, and of bright minds.
6	4	2	1	..	1	...	...	...	...	...	...	...	..	..	All living, and of good constitutions.
6	3	3	...	...	...	...	...	...	...	1	...	...	9	Typhoid fever.	Survivors bright and quick to learn.
1	1	..	1	..	1	...	...	...	...	...	...	...	..	..	No other defect; bright in intellect.
4	1	3	...	...	...	...	...	...	...	...	...	...	..	..	All living, of good constitutions, and average intellect.
3	2	1	...	...	...	...	...	...	...	3	2	1	1 to 2	Tuberculosis.	One of the survivors has phthisis.
12	8	4	...	...	...	...	...	...	...	6	4	2	—7	Tuberculous affections.	
10	...	...	...	...	...	...	...	...	...	8	...	...	..	..	
9	5	4	3	..	3	...	...	...	...	...	...	...	..	..	
5	2	3	...	...	...	...	...	...	...	...	...	...	..	..	None defective; all died at mature old age; causes unknown.
8	4	4	...	...	...	...	...	...	...	...	...	...	..	..	All good physical and mental endowments; one a member of Congress.
5	3	2	2	...	...	...	...	...	...	2	..	..	2 weeks.	Inanition from malformity of mouth.	The first and fifth, both females, had the soft palate wanting, the superior palatine and maxillary bones fissured, and the mouth and nose constituting one cavity; this deformity prevented their nursing; survivors physically of good form, but mentally, inferior to parents. All healthy and perfectly formed; too young to make any statement respecting their mental endowments.
3	1	2	...	...	...	...	...	...	...	...	...	...	..	..	
10	6	4	4	...	...	3	..	1	..	2	..	1	20	Puerperal peritonitis.	The children are all of scrofulous diathesis; all ignorant, and the sons drunkards.

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
						M.	F.
172	M. F.	Bilious. Nervo-sanguine.	Both good health and habits; male, good physique, light-brown hair; female, good physique, very light hair and eyes, niece to husband's father.	Farmer.	1836	25	21
173	M. F.	Sanguine-nervous. Nervous.	No report of health or habits, but from characteristic carefulness of the contributor, presume any existing irregularities would have been mentioned.—Wife died at 35 of phthisis; was niece to husband's mother.	Farmer.	1832	23	23
174	M. F.	Bilious. Nervo-sanguine.	Feeble constitution; regular habits; stupid, indolent, and good humored.—Wife, robust health, athletic form; industrious habits.	Farmer and herb doctor	1825	27	23
175	M. F.	Lymphatic. "	Good constitution and form; dark hair.—Wife, very fat, dark hair; niece to husband's father.	Farmer.	1835	30 to 40	
176	M. F.	Lymphatic. Nervous.	Good constitution, robust frame; irregular habits.—Wife, good constitution; good habits; religious.	Lawyer.	1845	25	25
177	M. F.	Bilio-lymphatic. Unknown.	Both parents robust health, and large frames; good habits; highly intellectual and cultivated.	Farmer.	1834	32	25
178	M. F.	Bilious-phlegmat. Nervous.	No report. Wife niece to husband's father.	..	1833	26	25
179	M. F.	Unknown. "	No report. Wife niece to husband's mother.	Carpenter.	1817	Young.	
180	M. F.	Bilious. "	No report. Wife niece to husband's mother.	Farmer.	1854	22	21
181	M. F.	Unknown. "	Both believed to be of good constitutions and habits.	Farmer.	1842	Young.	
182	M. F.	Bilious. "	Both good health and habits; male, tall and slim, brown hair; female, good proportions, dark hair, niece to husband's father.	Millwright.	1838	Young.	
183	M. F.	Bilious. Nervous.	No report of health and habits. Wife, niece to husband's father.	Farmer.	1839	Young	
184	M. F.	Unknown. "	Both good health and habits.	Blacksmith.	1834	23	23
185	M. F.	Unknown. "	Both good health and habits.	Clergyman.	1845	22	22
186	M. F.	Unknown. "	Both good health and habits.	Farmer.	1800	25	25
187	M. F.	Unknown. "	Both good health and habits.	Farmer.	1790	22	22
188	M. F.	Nervo-bilious. Sanguino-lymph.	Both good health and habits.	Clerk.	1841	25	..
189	M. F.	Bilious. Nervo-lymphatic.	Both good health and habits.	Farmer.	1847	25	23
190	M. F.	Nervous. Nervo-sanguine.	Delicate health; intemperate habits.—Wife, ordinarily good health, not robust; good habits.	Mechanic.	1854	24	24
191	M. F.	Nervous. Lymphatic.	Both good health and habits.	Farmer.	1845	22	22
192	M. F.	Bilio-sanguine. "	Good constitution; intemperate habits.—Wife, good health and habits; niece to husband's mother.	Farmer.	1850	26	..
193	M. F.	Unknown. "	No report of health and habits.	..	1841	..	..
194	M. F.	Unknown. "	No report of health and habits.	..	1840	..	..

## First Cousins—Continued.

CHILDREN.																
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.				
5	3	1	..	..	..	..	..	..	..	1	..	..	..	Stillborn from fall of mother.	Survivors normal.	
5	..	..	..	..	..	..	..	..	..	3	..	..	..	..	Cause of death not certainly known; one or more were still-born; all three died in infancy.	
9	5	4	9	..	1	3	..	..	..	3	1	2	..	Cholera infantum.	Survivors mentally weak.	
5	..	2	..	..	..	..	..	..	..	..	..	..	..	..	No defects.	
3	1	2	3	..	..	..	..	..	3	..	..	..	..	..	..	
7	..	..	3	..	..	3	..	..	3	2	..	..	..	Scrofula.	All of weak intellect compared with parents.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.	
2	1	1	..	..	..	..	..	..	..	1	..	..	3 mos.	Overlaid by mother.	Twins, and sprightly children.	
7	5	2	4	..	4	..	..	..	..	1	..	..	..	Unknown.	The first case of blindness which occurred in this family was referred by the parents to scarlatina, the succeeding cases were ascribed to maternal emotion.	
5	2	3	..	..	..	..	..	..	..	4	..	..	..	Killed by accident 1. Starved by ignorant nurse 1.	Survivor normal.	
9	2	7	..	..	..	..	..	..	..	..	..	..	..	..	Normal.	
6	6	..	..	..	..	..	..	..	..	1	1	..	3	Unknown.	Normal.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.	
9	6	3	3	..	..	1	2	..	..	..	..	..	..	..	..	
6	4	2	..	..	..	..	..	..	..	3	..	..	28 to 40	Fever 2. Consumption 1.	..	
3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	All healthy and intelligent.	
5	2	3	..	..	..	..	..	..	..	..	..	..	..	..	All healthy and intelligent.	
1	1	..	1	..	..	..	..	1	..	..	..	..	..	..	Subject to convulsions from birth.	
4	2	2	4	..	..	..	..	..	4	..	..	..	..	..	..	
4	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	
4	..	..	2	2	..	..	..	..	..	..	..	..	..	..	The two eldest, a boy and girl, are the mutes; no cause known in their circumstances of life to interfere with development of offspring.	
2	1	1	2	..	..	1	..	..	..	..	..	..	..	..	The eldest, a female, is the idiot; she is harmless and inoffensive, spending her time in gathering fragments of pottery and stones. The boy has a deformed leg, and is unable to walk without grasping his thigh.	

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
195	M. Bilious. F. Nervous.		Robust health and good habits.—Wife, strumous; good habits; is thought to have been the subject for some years of a very small epithelial cancer.	Farmer.	1835	M. F. Young.
196	M. Nervous. F. Sanguine.		Both good health and habits.	Merehant.	1830	Young.
197	M. Phlegmatic. F. Nervous.		Both good health and habits.	Physician.	1829	Young.
198	M. Bilious. F. Nervous.		Both more than ordinarily healthy and active.	Farmer.	1853	Young.
199	M. Unknown. F. “		Both healthy and robust.	..	1830	Young.
200	M. Unknown. F. “		No report of health or habits, may be supposed to be usually good, as no irregularities are mentioned.	Stonemason.	1827	Young.
201	M. Unknown. F. “		No report of health; husband intemperate.	..	1830	.. ..
202	M. Sanguine. F. Lymphatic.		Both good health and habits.	Farmer.	1847	28 21
203	M. Sanguine. F. Nervo-lymphatic.		Both good health and habits.	Farmer.	1847	25 20
204	M. Bilious. F. Sanguine.		Both good health and habits.	Farmer.	1827	25 25
205	M. Unknown. F. “		Both parents healthy, with good habits, and lived to old age; husband paraplegic for some years before death.	Farmer.	1790	Young.
206	M. Unknown. F. “		Both ordinarily healthy, with good habits; mother bore twins twice.	Farmer.	1837	Young.
207	M. Unknown. F. “		Both healthy and active; the wife died young.	Farmer.	—1835	Young.
208	M. Unknown. F. “		Both healthy, and free from hereditary taint.	Farmer.	—1835	Young.
209	M. Sanguine nervous. F. Nervo-lymphatic.		Not of robust health; habits good.—Wife, good health and habits.	Farmer.	1837	25 25
210	M. Bilious. F. Lymphatic.		Both good health and habits.	Farmer.	1837	25 25
211	M. Sanguine. F. “		Both good health and habits.	Farmer.	1841	25 23
212	M. Sanguine. F. Nervous.		Both good health and habits.	Clerk.	1851	38 20
213	M. Sanguine. F. “		Both good health and habits. Separated after birth of their first child, believing it to be wrong to live together.	Merehant.	1844	Young.
214	M. Sanguine. F. Nervous.		Both good health and habits.	Farmer.	1807	Young.
215	M. Unknown. F. “		Both healthy, vigorous constitutions; good habits; dull minds.	..	—1835	21 21
216	M. Unknown. F. “		Both healthy, vigorous constitutions; good habits.	..	1828	25 20
217	M. Unknown. F. “		Both healthy, vigorous constitutions; good habits.	..	1830	20 20
218	M. Unknown. F. “		Both healthy, vigorous constitutions; good habits.	..	1854	27 27

## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
8	..	..	3	..	..	..	..	..	..	..	..	..	..	..	Three cross-eyed; all inferior to parents in intelligence.
8	5	3	6	5	..	1	..	..	..	6	..	..	1 to 5	Poisoned 3. Unknown 3.	The two survivors are sickly, and below mediocrity in intellect.
3	..	..	3	..	3	..	..	..	..	..	..	..	..	..	The blindness from amaurosis.
2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	Both healthy and intelligent.
1	1	..	..	..	..	..	..	..	..	1	1	..	..	Stillborn.	
8	8	..	..	..	..	..	..	..	..	..	..	..	..	..	All living, healthy, and intelligent.
6	1	5	3	..	..	1	2	..	..	..	..	..	..	..	Two died of phthisis; two insane at from 25 to 40; the two survivors below either parent in mental capacity.
13	10	3	1	..	..	..	..	..	1	6	6	..	..	Tabes mesenterica	One of the survivors is active and sprightly, the others all inferior to parents in intellect, and all have rough unattractive features, and dull sluggish habits.
2	..	..	..	..	..	..	..	..	..	1	..	..	..	Unknown.	Survivors healthy and normal.
5	..	..	..	..	..	..	..	..	..	2	..	..	..	Erysipelas 1. Unknown 1.	Survivors small and deficient in physical development; intellect about ordinary.
2	1	1	1	..	..	..	..	1	..	1	..	1	2	Scarlatina.	Both were healthy and intelligent until the incursion of scarlatina, which left the survivor deaf and subject to epileptic convulsions.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
4	3	1	..	..	..	..	..	..	..	..	..	..	..	..	All living, healthy, and intelligent.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	Born malformed; the precise nature of the deformity the contributor had not been able to learn.
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	Both living, aged 40 and 45; the son stammers very badly, and is compelled to sing all his conversation; daughter normal.
5	..	..	2	..	..	2	..	..	..	3	..	..	..	Unknown.	The survivors are a male and female; the former idiotic, the latter of ordinary intellect but physically weak.
4	1	3	..	..	..	..	..	..	..	1	..	1	20	Chronic diarrhœa.	Survivors healthy and physically well developed; but the son and one daughter are mentally far inferior to their parents.
5	4	1	..	..	..	..	..	..	..	..	..	..	..	..	All living and equal in intellectual and physical development to their parents.
1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	Suffers in an extraordinary manner with constipation, so that it is not likely to survive long.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
219	M. F.	Nervous. Biliary.	Both healthy, vigorous constitutions; good habits.	Farmer.	1803	M. F. Young.
220	M. F.	Unknown. "	Both healthy and athletic; habits good.	Farmer.	1830	Young.
221	M. F.	Nervo-sanguine. Unknown.	Robust health and good habits. Separated after birth of child, or rather after its death.	Merchant.	1845	.. ..
222	M. F.	Nervo-sanguine. Unknown.	Same male as in No. 221. Female, delicate health; sister to female in No. 221, and scrofulous.	Merchant.	1847	.. ..
223	M. F.	Unknown. "	Both good health and habits.	Farmer.	1820	.. ..
224	M. F.	Sanguine. Biliary.	Both good health and habits.	Farmer.	1843	41 35
225	M. F.	Sanguine. Lymphatic.	Good health; intemperate.—Wife, feeble health.	Farmer.	1822	21 19
226	M. F.	Sanguine. Lymphatic.	Good health; intemperate; brother to male No. 225.—Wife, feeble health; sister to female No. 225.	Farmer.	1822	Young.
227	M. F.	Unknown. "	Vigorous health and good habits.	Farmer.	—1835	Young.
228	M. F.	Unknown. "	Vigorous health and good habits.	Farmer.	—1835	Young.
229	M. F.	Unknown. "	Vigorous health and good habits. Both died of phthisis, aged 65 or 70.	Farmer.	1800	Young.
230	M. F.	Biliary-lymphatic. Biliary.	Both good health and habits. Same male as in No. 50, Class F.	Carpenter.	1840	23 20
231	M. F.	Nervous-sanguine. Biliary.	Both ordinarily good health and habits; husband has been dropsical for last four years.	Farmer.	1841	22 19
232	M. F.	Sanguine. Lymphatic.	Robust health; good habits; stammers badly, no other defect.—Mother has rather bad health, suffered during gestation with ophthalmia.	Farmer.	1853	24 19
233	M. F.	Sanguine. Lymphatic.	Both good health and habits.	Farmer.	1850	26 22
234	M. F.	Phlegmatic. "	Both good constitution; steady habits; husband's father was brother to his wife's mother.	Farmer.	1817	Young.
235	M. F.	Phlegmatic. Biliary.	Both good constitution and habits; husband's father was brother to his wife's mother. Males of Nos. 234 & 235 were brothers, and females sisters.	Farmer.	1817	Young.
236	M. F.	Nervo-sanguine. Unknown.	Both robust; regular habits.	Farmer.	—1835	Young.
237	M. F.	Nervo-sanguine. "	Both ordinary health; regular habits.	Various.	1842	25 ..
238	M. F.	Phlegmatic. Nervous.	Both good health and habits.	Merchant.	1827	Young.
239	M. F.	Biliary. Sanguine.	Both good health and habits.	Farmer.	1817	Young.



## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
5	3	2	1	..	..	..	..	..	..	..	..	..	..	..	All living from 35 to 50 years of age; one is deaf, and speaks like a young child; one is badly asthmatic; others normal. They have married into healthy families not related, yet several of their children have died of phthisis, others manifest that tendency. Sterile.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1	..	1	1	..	..	..	..	..	..	1	..	..	2 mos.	Inanition.	The first was imperfectly developed, the second (222) is afflicted with ulcerations probably scrofulous.
1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	3	..	3	1	..	..	..	6	..	..	..	Unknown.	The eyes are faulty in configuration.
2	..	2	1	..	..	..	..	..	..	1	1	..	6 weeks.	"Defective navel."	Survivor intelligent and healthy.
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	These children should not be termed idiots, but lack intelligence.
3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	One has a peculiar formation of the ear, otherwise there are no physical defects; in intellect they are as children of No. 225.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Never had any living children, but miscarried three or four times at seventh month.
3	1	2	..	..	..	..	..	..	..	..	..	..	..	..	Exhibit evidences of inferiority to their parents; intellect ordinary.
8	6	2	..	..	..	..	..	..	..	6	..	..	..	Consumption 3. Acute diseases 2. Killed 1.	All arrived at puberty before death; survivors normal.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	No children, two miscarriages at seventh month; soon after the last of which the mother died of fever.
4	3	1	..	..	..	..	..	..	..	..	..	..	..	..	The oldest was strabismic, otherwise they are perfectly developed mentally and physically.
1	1	..	1	..	..	..	..	..	..	1	..	..	..	..	The child is also apparently idiotic; but the contributor does not confidently impute this to influence of consanguinity, as the mother is also of feeble intellect.
4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	All living, no defects.
15	13	2	..	..	..	..	..	..	..	11	..	..	..	..	All the survivors are in rather ill health; those who died, died for the most part before maturity.
8	3	5	..	..	..	..	..	..	..	1	..	..	2	Unknown.	Nothing unusual about survivors.
3	2	1	1	..	..	1	..	..	..	2	1	1	—15	..	Survivor is fifteen, sprightly and healthy.
2	..	2	2	..	..	..	..	..	..	2	..	..	..	..	Both sprightly intellectually, but have enlargements of cervical glands, and other indications of scrofula.
5	3	2	..	..	..	..	..	..	..	1	..	..	..	Stillborn.	Survivors normal.
2	..	2	..	..	..	..	..	..	..	2	..	..	..	Stillborn.	..

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
240	M. F.	Sanguine. Nervous.	Constitution and habits good; husband's mother was sister to wife's father.—Wife, delicate health; good habits; had many miscarriages.	Farmer (retired merchant.)	1812	M. F. Young.
241	M. F.	Unknown. "	Both good health and habits; both of excellent mental and physical endowment.	Farmer.	—1835	25 18
242	M. F.	Unknown. "	No report of health or habits.	Farmer.	—1835	.. ..
243	M. F.	Melancholic. Sanguine.	Rather delicate constitution; good habits.—Wife, low in stature, but well formed; good health. Parents very dissimilar in form, temperament, and features.	Physician and farmer.	1838	Young.
244	M. F.	Nervous. Phlegmatic.	No report of constitution or habits.	Editor.	1854	Young.
245	M. F.	Nervous. Phlegmatic; melancholy.	Both good health and habits. A strong family likeness exists between the parents; wife previously married to husband not related, and bore one healthy child.	Farmer.	1842	Young.
246	M. F.	Unknown. "	Both remarkable for activity, energy, and superior intelligence; husband has filled several important and responsible offices.	..	—1835	Young.
247	M. F.	Unknown. "	Both of good health and habits, and favorable circumstances of life.	..	—1830	Young.
248	M. F.	Unknown. "	Both of strong physical and mental development; wife had previously married a man not related, by whom she bore five well-formed and sprightly children.	..	—1835	Young.
249	M. F.	Unknown. "	No report of health or habits.	Manufacturer.	1817	Young.
250	M. F.	Unknown. "	Both good health and habits.	..	1800	Young.
251	M. F.	Unknown. "	Both good health and habits.	..	1800	Young.
252	M. F.	Unknown. "	Both parties apparently healthy.	Physician.	1842	30 20
253	M. F.	Unknown. "	Both healthy, with strongly marked individualities and strong mental capacities. Female, sister to female of No. 252.	Farmer.	1836	21 21
254	M. F.	Unknown. "	Healthy; good habits.—Wife, delicate constitution.	Lawyer.	1830	Young.
255	M. F.	Unknown. "	Both good health and habits.	..	1826	Young.
256	M. F.	Unknown. "	Both healthy in every respect; good habits.	..	—1835	Young.
257	M. F.	Unknown. "	Both good health and habits.	Farmer.	1820	Young.
258	M. F.	Unknown. "	Both good health and habits. Male had previously married two wives, whether fruitful or not is not reported.	Farmer.	1827	.. ..
259	M. F.	Unknown. "	Both good health and habits.	..	—1820	Young.
260	M. F.	Unknown. "	Both good health and habits.	..	—1820	Young.
261	M. F.	Unknown. "	Both healthy and regular habits.	Farmer.	1807	Young.
262	M. F.	Unknown. "	Both healthy and regular habits.	Farmer.	1835	Young.

## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN. REMARKS, ETC.
	Male.	Female.									Male.	Female.			
8	2	6	..	..	..	..	..	..	..	1	..	..	..	..	The two males small in size, but should scarcely be called dwarfs.
6	5	1	..	..	..	..	..	..	..	..	..	..	..	..	All living, and without notable defects; the daughter is not comely, and none of the offspring are equal, mentally or physically, to their parents.
3	..	3	2	..	2	..	..	..	..	..	..	..	..	..	Congenital cataract.
8	5	3	..	..	..	..	..	..	..	1	..	..	—5	Inflammatory.	Survivors are of good constitution, sound intellect, and some of them above mediocrity in latter respect.
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Diminutive, but sprightly.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
8	..	6	..	..	6	..	..	..	..	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	..	3	..	..	—5	Unknown.	Survivor is now an adult and normal; those who died were of diminutive size, badly developed.
3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	Remarkable for diminutive proportions and mental imbecility.
11	6	5	..	..	..	..	..	..	..	3	3	..	—1 4 14	Unknown. Dysentery. Killed by accident.	One daughter strabismic; the oldest married and bore 3 children, then died of abscess of cerebellum; another daughter married her sister's husband, but is without issue.
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	Normal; married and has several children.
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	All healthy and bright.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fair health and habits, but none of them equal to parents.
4	..	..	..	..	..	..	..	..	..	4	..	..	—3 —20	Unknown.	..
6	6	..	..	..	..	..	..	..	..	..	..	..	..	..	All living and healthy.
8	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	..	3	..	..	..	..	Two died in infancy, one at 25. The living child is not bright.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	None defective, either physically or mentally.
4	3	1	4	..	..	..	..	..	..	..	..	..	..	..	All deficient in intellect, but not complete idiots.
5	2	3	..	..	..	..	..	..	..	..	..	..	..	..	All grew up healthy and strong.
5	3	2	..	..	..	..	..	..	..	1	..	..	—5	..	Survivors active and healthy.

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
263	M.	Unknown.	Both healthy and regular habits; male	Laborer.	1852	M. F.
	F.	"	of light complexion, female brunette.			Young.
264	M.	Unknown.	Not robust; both died of phthisis, age	Merchant,	1820	Young.
	F.	"	not stated.			
265	M.	Unknown.	Both good health and habits.	..	1805	Young.
	F.	"				
266	M.	Unknown.	Both good health and habits.	Farmer.	1802	Young.
	F.	"				
267	M.	Unknown.	No report of health and habits.—Wife,	Merchant.	1842	Young.
	F.	"	strumous.			
268	M.	Unknown.	Both good health and habits.	Farmer.	1817	Young.
	F.	"				
269	M.	Unknown.	Both good health and habits.	Manufactur-	1840	Young.
	F.	"		er.		
270	M.	Unknown.	Both good health and habits.—Male	Farmer,	1790	.. ..
	F.	"	previously married to a woman not related.			
271	M.	Unknown.	Both good health and habits, and with	..	1820	Young.
	F.	"	no constitutional peculiarities, or other surrounding circumstances likely to affect integrity of offspring.			
272	M.	Unknown.	Both healthy and of good bodily development, and average intellectual endowment; wealthy, and good habits.	Farmer.	1836	Young.
	F.	"				
273	M.	Unknown.	Both healthy in every respect.	..	—1835	Young.
	F.	"				
274	M.	Nervo-bilious.	Both good health and habits; male	..	—1835	Young.
	F.	"	died early, and the widow marrying a man not related had three sprightly, well-formed children.			
275	M.	Phlegmatic and stupid.	Both ordinary health, but very regular habits.	Farmer.	1846	30 30
	F.	"				
276	M.	Unknown.	Both good health and habits; the female had hare-lip.	Farmer.	1843	22 20
	F.	"				
277	M.	Sanguine.	Father, very robust; mother, average health; both good habits and intellectual. These parents do not know of any scrofula, or other hereditary taint in their families.	Farmer.	—1835	Young.
	F.	"				
278	M.	Bilious.	Good health and habits.—Wife, delicate; good habits. No hereditary taint in families; no scrofula ever manifested.	Farmer.	—1835	Young.
	F.	Sanguine.				
279	M.	Phlegmatic.	Both delicate health; good habits; no scrofula known of in family, and both lived to a great age.	Farmer.	—1835	Young.
	F.	"				
280	M.	Unknown.	Both good health and habits.—Wife died after the birth of seventh child, and the husband married a woman not related, who bore him three or four sprightly, fine looking children.	..	—1835	Young.
	F.	"				
281	M.	Phlegmatic.	Both good health and habits.	Farmer.	—1835	Young.
	F.	"				
282	M.	Unknown.	Both good health and habits.	Farmer.	1832	Young.
	F.	"				
283	M.	Unknown.	Both good health and habits.	Farmer.	1812	Young.
	F.	"				

## First Cousins—Continued.

CHILDREN.																
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.				
3	1	2	1	..	..	..	..	1	..	1	..	..	—3	Hydrocephalus.	Youngest child has convulsions.	
2	2	..	..	..	..	..	..	..	..	2	..	..	—18	Phthisis.		
6	2	4	..	..	..	..	..	..	..	..	..	..	..	..	All healthy and bright.	
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	Delicate but bright and active; married a cousin, see Class C, No. 16.	
4	1	3	1	..	..	..	..	..	1	..	..	..	..	..	Oldest daughterscrophulous, others healthy.	
4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	All bright and healthy.	
1	..	1	..	..	..	..	..	..	..	1	..	1	2	Diarrhœa.	No other children born since.	
11	5	6	..	..	..	..	..	..	..	1	1	..	—5	Unknown.	Several of the survivors are rather odd and are not considered of average intellect, or equal to the children of the same father by his subsequent marriage.	
4	..	..	1	..	..	1	..	..	..	3	..	..	—5	Unknown.	The oldest child, a male, was born with a head of unusual dimensions, has now grown to manhood, with a head of the same disproportionate size, was subject to convulsions in early life.	
9	..	..	3	3	..	..	..	..	..	..	..	..	..	..	The mutes are of good minds (2 males and 1 female); the other children are well formed and sprightly.	
8	..	..	1	..	..	1	..	..	..	1	..	..	1	..	The idiot affected with feeble convulsions until its death. The remainder normal.	
3	2	1	1	..	..	1	..	..	..	..	..	..	..	..	The daughter well endowed, is married and has one child; one son is also of good intellect and physical development.	
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Still young, but with no perceptible defect.	
6	..	..	3	..	..	..	..	..	..	3	..	..	—2	Convulsions.	One of the children that died and two of the survivors have hare-lip.	
6	2	4	2	..	..	..	..	..	2	1	..	1	18	Phthisis.	One of the survivors has strumous ophthalmia, the others normal.	
10	2	8	1	..	..	..	..	..	1	2	..	..	..	Unknown.	The scrofulous child is badly affected, the remaining seven are healthy unusually intelligent women. Three are married and have children.	
8	3	5	1	..	..	..	..	..	1	..	..	..	..	..	All easy, quiet, good natured, without energy or force of character.	
7	..	..	7	..	..	..	..	..	..	..	..	..	..	..	All grown, <i>very dull</i> , scarcely superior to complete idiots; weak-eyed and cross-eyed.	
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Fully equal to parents, both physically and mentally.	
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	Twenty-two years old, no defects.	
11	7	4	4	..	4	..	..	..	..	1	..	..	..	Unknown.	Congenital cataract the cause of blindness.	

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
						M.	F.
284	M. F.	Unknown. “	Both good health and habits. The male, after death of his wife, married female of No. 285. Female is sister to female of No. 285; died after bearing four children.	Farmer.	—1835	Young.	
285	M. F.	Unknown. “	Same male as in No. 284; married a sister of his first wife, and after her death married a woman not related, who bore him two children without defect.—Wife, good health and habits; sister to female No. 284.	Farmer.	..	..	..
286	M. F.	Bilious. Nervous.	Both good constitutions, and regular habits.	Farmer.	1836	25	24
287	M. F.	Sanguine. Bilious.	Both of strumous diathesis.	Blacksmith.	1828	22	23
288	M. F.	Nervous. Bilious.	Both of strumous diathesis; habits regular.	Farmer.	1817	22	20
289	M. F.	Bilious. Sanguine.	Good health and habits.—Wife, frail health, tendency to tuberculosis. Second marriage of both parties.	Mariner.	1845	34	32
290	M. F.	Sanguine. Bilious.	Both good health, and active habits; male, intemperate.	Carpenter.	1835	27	24
291	M. F.	Bilious. “	Both good health and habits; female, niece to male's father.	Merchant.	—1835	..	..
292	M. F.	Nervo-bilious. Nervous.	Both spare make, of ordinary health; male, dyspeptic for two past years, lives well, is social but temperate; female, subject to nervous headache.	Farmer.	1833	22	20
293	M. F.	Phlegmatic. Nervous.	Robust and fleshy; a good liver, but temperate.—Wife, spare make; ordinary health; subject to attacks of hysteria.	Accountant.	1836	21	18
294	M. F.	Unknown. “	Both good health and habits; male died after birth of a child.	Farmer.	..	30	24
295	M. F.	Unknown. “	Both good health and habits.	Farmer.	1847	35	35
296	M. F.	Unknown. “	Both good health and habits.	Farmer.	1827	25	25
297	M. F.	Lymphatic. Unknown.	Eminently scrofulous.—Wife, no report of health or habits.	Manufacturer.	1848	37	20
298	M. F.	Sanguine nervous. “	Both healthy, but not robust.	Tailor.	1820	29	29
299	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	..	..
300	M. F.	Unknown. “	Both supposed to be healthy.	Farmer.	—1835	..	..
301	M. F.	Sanguine. Nervous.	Both excellent health, and good habits.	Farmer.	1822	Young.	
302	M. F.	Unknown. “	Both good health and habits.	Clergyman.	1832	Young.	
303	M. F.	Bilious. “	Both good health and habits.	Farmer.	1843	Young.	
304	M. F.	Unknown. “	Both good health and habits.	Farmer.	1803	Young.	
305	M. F.	Nervous. “	Not robust; male strumous, and female frail.	Physician.	1843	Young.	
306	M. F.	Bilious. Phlegmatic.	Both are healthy and normal in every respect, have fair intellect, and regular habits.	Farmer.	1823	Young.	
307	M. F.	Nervous. “	Male is healthy; female is in a lunatic asylum; cause of insanity not known.	Merchant.	1837	Young.	
308	M. F.	Bilious. “	Both of ordinary health; no scrofulous taint believed to be present.	Farmer.	1843	Young.	
309	M. F.	Bilious. Nervous.	Both of good health and habits, and possessed of fair intelligence.	Farmer.	1832	Young.	
310	M. F.	Nervous. “	Both good health and habits, and above mediocrity in intellect.	Lawyer.	1822	Young.	



## First Cousins—Continued.

CHILDREN.																
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.				
4	4	..	3	3	..	1	..	..	..	..	..	..	..	..		
1	..	..	..	..	..	..	..	..	..	1	..	..	22	..	With no peculiarity.	
5	2	3	4	1	..	..	..	..	3	1	..	1	3	Marasmus.	The mute is intelligent, and some others are normal and healthy.	
7	6	1	3	..	..	1	..	1	..	1	1	..	2	Hydrocephalus.	One male had club-foot, others normal and healthy.	
9	6	3	5	1	..	..	..	..	4	1	1	..	22	Typhoid fever.	The mute died.	
5	4	1	1	..	..	..	..	..	1	..	..	..	..	..	Remainder healthy.	
6	3	3	2	..	..	2	..	..	..	1	..	1	4	Convulsions.	Survivors enjoy ordinary health.	
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Bright in intellect, healthy, and well formed physically.	
13	7	6	..	..	..	..	..	..	..	4	1	4 mos.	4 mos.	Spina bifida.	None exhibit mental proficiency; some are rather dull, yet none are badly defective; all are pale, slender, and of unhealthy appearance.	
											1	8	“	Laudanum.		
											1	16	“	Dentition.		
											1	10		Heart disease.		
10	6	4	2	2	..	..	..	..	..	1	1	..	1	Dentition.	Children are generally dull, pale, and thin, with a bad form and carriage; the mutes are male and female.	
1	..	..	..	..	..	..	..	..	..	1	..	..	5	Croup.	This child was very intelligent.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.	
4	..	..	..	..	..	..	..	..	..	3	..	..	5	Hydrocephalus 2.		
8	..	..	..	..	..	..	..	..	..	..	..	..	6 mos.	Scarlatina 1.		
5	..	..	5	..	5	..	..	..	..	..	..	..	..	..	All healthy; youngest 8 years old.	
9	2	7	7	..	7	..	7	..	..	..	..	..	..	..	Cause of blindness not reported.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.	
5	3	2	..	..	..	..	..	..	..	..	..	..	..	..	All living and normal.	
3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	All living and normal.	
4	4	..	4	..	..	..	..	..	..	..	..	..	..	..	Two have hare-lip; all evidently scrofulous and of mediocre intellect.	
10	5	5	5	..	5	..	..	..	..	..	..	..	..	..	Five are completely idiotic; the others partial.	
3	1	2	2	..	2	..	..	..	..	..	..	..	..	..	The oldest daughter is a perfect idiot; the next daughter partial; the son normal.	
1	1	..	1	..	..	..	..	..	..	1	1	..	1	Tubes mesenterica	Was unhealthy from birth.	
1	1	..	1	..	1	..	..	..	..	..	..	..	..	..	Now 23 years old, and a complete idiot.	
7	3	4	..	..	..	..	..	..	..	..	..	..	..	..	All below mediocrity in intellect.	

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
311	M.	Nervous.	Not of vigorous health, but average.	Mechanic.	1848	M.	F.
	F.	Sanguine.				Young.	
312	M.	Unknown.	Both good health and habits.	Farmer.	1822	Young.	
	F.	"					
313	M.	Unknown.	Both of strumous diathesis.	Farmer.	1831	Young.	
	F.	"					
314	M.	Unknown.	Both of strumous diathesis; male has phthisis.	Bookkeeper.	—1835	Young.	
	F.	"					
315	M.	Unknown.	Both of good health and habits.	Farmer.	1832	Young.	
	F.	"					
316	M.	Unknown.	Both of good health and habits.	Farmer.	1830	Young.	
	F.	"					
317	M.	Sanguine.	Both good health and regular habits; were children of a brother and sister.	Farmer.	—1835	Young.	
	F.	"					
318	M.	Sanguine.	Both good health and regular habits; were children of a brother and sister.	Farmer.	—1835	25	23
	F.	Unknown.					
319	M.	Nervous.	Consumptive. Both were brothers' children.	Merchant.	—1835	40	35
	F.	Unknown.					
320	M.	Sanguine.	Both good health and habits; children of a brother and sister.	Farmer.	—1835	..	..
	F.	Unknown.					
321	M.	Sanguine-nervous.	Both good health and habits; were descendants of two sisters.	Farmer.	1843	39	25
	F.	Unknown.					
322	M.	Unknown.	Both good health and habits.	Farmer.	1849	52	43
	F.	"					
323	M.	Unknown.	Health not reported; male is intemperate, and is not of vigorous mind; were children of a brother and sister.	..	—1835	Young.	
	F.	"					
324	M.	Unknown.	Both good health and habits; after bearing four children, female died, and husband married her sister.	..	—1835	Young.	
	F.	"					
325	M.	Unknown.	Same male as in No. 324.—Female, sister to female No. 324.	..	..	..	..
	F.	"					
326	M.	Bilio-lymphatic.	Good constitution, and regular habits.	Miller.	1825	30	22
	F.	Lymphatic.	—Wife, not robust; regular habits.				
327	M.	Unknown.	Male, good constitution; female, strumous. The parties to Nos. 326 & 327, Class E, and No. 61, Class F, are of the same parentage, and no idiocy or similar defects existed in the family as far back as its history was known.	Laborer.	1830	21	23
	F.	"					
328	M.	Sanguine.	Good constitution; irregular habits.—	Physician.	1823	32	24
	F.	Lymphatic.	Wife, feeble constitution.				
329	M.	Sanguine.	Both good health and habits.	Merchant.	1856	31	19
	F.	Nervous.					
330	M.	Bilious nervous.	Both good health and habits.	Mechanic.	1849	22	22
	F.	Leucophlegmatic.					
331	M.	Unknown.	"Bad habits."—Wife, good habits.	Innkeeper.	1826	19	18
	F.	"					
332	M.	Unknown.	Both good health and habits.	Merchant.	1854	Young.	
	F.	"					
333	M.	Nervous.	Good health and habits.—Wife, strumous.	Clergyman.	1837	Young.	
	F.	Sanguine,					
334	M.	Nervo-sanguine.	Strumous.—Wife, good constitution.	Bookkeeper.	1849	Young.	
	F.	"					

## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	All below mediocrity in intellect.
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	All healthy and normal.
7	..	..	3	..	..	..	..	..	3	4	..	..	..	Hydrocephalus 2. Dropsy 1. Scarlatina 1. Hydrocephalus 2. Tuberculosis 1.	The living children are scrofulous and subject to swelling and inflammation of glands.
3	..	..	2	..	..	..	..	..	2	2	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	All healthy.
5	..	..	1	..	..	1	..	..	..	..	..	..	..	..	All mentally below par, and one a complete idiot.
10	5	5	5	..	..	5	..	1	..	..	..	..	..	..	Three of the males were idiots; two of the daughters are married and have families. Survivors grown and normal.
10	5	5	..	..	..	..	..	..	..	1	..	..	25	Consumption.	Survivors grown and normal.
3	2	1	..	..	..	..	..	..	..	2	..	..	..	Stillborn.	..
4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	All grown and without perceptible defect.
6	5	1	6	..	..	6	..	4	..	..	..	..	..	..	The ages are respectively, 13, 11, 9, 7, 5, 2 years.
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sex not reported; now 7 years old and healthy.
5	4	1	..	..	..	..	..	..	..	..	..	..	..	..	No physical defects, and mentally about like the father.
4	3	1	..	..	..	..	..	..	..	..	..	..	..	..	No physical defects; average minds.
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	No physical defects; average minds.
4	..	4	4	..	..	..	..	..	2	2	2	2	18 6 mos.	..	All feeble in body and mind; one has rickets and bad curvature of the spine, is dwarfish.
9	4	5	5	..	..	..	..	..	4	3	1	2	20 4 2	Drowned 1. Fever 1. Erysipelas 1.	The scrofulous cases are cutaneous affections; one is an affection of the hip, destroying the joint and use of the limb; the five defective are all cripples, with a total loss or imperfect use of the lower extremities, from ankylosis of the hip, knees, or ankles, contraction of ligaments, or atrophy of muscles; one cannot walk at all; three with crutches; one very badly without.
8	4	4	2	..	..	..	..	1	1	7	4	3	2 to 19	Inflammation of brain 3. Phthisis 1. Fever 2. Injury 1.	None very bright.
1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	Normal and healthy.
4	2	2	..	..	..	..	..	..	..	1	..	..	8 hours.	Convulsions.	The living children are healthy and tolerably bright.
1	..	1	..	..	..	..	..	..	..	1	..	1	9 mos.	Convulsions.	The mother was tuberculous at birth of the child, and died of phthisis shortly afterwards.
1	..	..	..	..	..	..	..	..	..	1	..	..	7 mos.	Diseased brain.	The child was considered idiotic.
4	2	2	2	..	..	2	..	..	..	..	..	..	..	..	The eldest a perfect idiot: the youngest partially so; others normal.
1	1	..	1	..	..	1	..	..	..	..	..	..	..	..	The child is deficient in intellect and cannot speak intelligibly, though now 5 years old.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
335	M. F.	Nervous.	Both good health and habits, and above mediocrity in intellect.	Farmer.	1812	M. F. Young.
336	M. F.	Nervous.	Both average health and habits, above mediocrity in intellect.	Farmer.	1807	Young.
337	M. F.	Sanguine.	Both ordinarily good constitutions; good mental capacities.	Merchant.	—1835	Young.
338	M. F.	Unknown.	Both ordinarily good physical and mental endowments.	Farmer.	—1835	Young.
339	M. F.	Bilious.	Both good constitutions and habits; male, patient and slow-motioned; female, active and fiery.	Farmer.	1846	Young.
340	M. F.	Nervous.	Both good constitutions; regular habits; average minds.	Farmer.	—1835	Young.
341	M. F.	Bilious.	Both good constitution and habits.	Farmer.	—1835	Young.
342	M. F.	Sanguine.	Both average health; good habits.	Farmer.	1822	Young.
343	M. F.	Unknown.	Both good health and habits; not very intelligent.	Farmer.	1790	Young.
344	M. F.	Nervous.	Both good health and habits. Nos. 344 & 345 are instances of two brothers marrying two sisters.	Mechanic.	1835	Young.
345	M. F.	Nervous.	Both average strength of constitution; good habits.	Mechanic.	1839	Young.
346	M. F.	Bilious.	Both good health and habits, are of the lower class, but are as intelligent as usual for their class; both more than usually robust.	Farmer.	1837	Young.
347	M. F.	Nervous.	Both very robust; male, intemperate. Nos. 346 & 347 are instances of two brothers marrying their first cousins, but wives not sisters.	Laborer.	1835	Young.
348	M. F.	Bilious.	Both good health and habits, and quite intelligent.	Merchant.	1840	Young.
349	M. F.	Phlegmatic.	Both robust constitutions, and good habits.	Merchant.	1839	Young.
350	M. F.	Nervous.	Average health; good habits.—Wife, rather feeble health, but attends to household duties.	Physician.	1847	Young.
351	M. F.	Unknown.	Both good health and habits.	Farmer.	1838	Young.
352	M. F.	Bilious.	Spare make; ordinary health; a free liver, but not an inebriate.—Wife, inclined to be fleshy; good health and habits.	..	1838	22 20
353	M. F.	Bilious.	Good health and temperate habits; spare make.—Wife, good health and habits; fleshy.	Farmer.	1845	23 18
354	M. F.	Bilious.	Robust, vigorous health; lived well and temperate.—Wife, good constitution and habits, corpulent. Both dead.	Farmer.	1830	23 18
355	M. F.	Sanguine.	Spare form; temperate and healthy.—Wife, not healthy; spare form and small stature.	Merchant.	1830	24 18
356	M. F.	Nervous.	Male, delicate; female, healthy. Both good habits, leading active lives.	Farmer.	1832	Young.
357	M. F.	Unknown.	Both good health and habits.	Farmer.	1833	Young.
358	M. F.	Unknown.	Both good health and habits, leading active lives.	Farmer.	1835	Young.

*First Cousins—Continued.*

CHILDREN.														
Number of children.	SEX.		No. defective.	Deaf and dumb.		Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.										Male.	Female.	
6	3	3	2	...	...	2	...	...	...	...	1	...	...	..
1	1	..	1	...	...	1	...	...	...	...	...	...	...	..
6	...	...	...	...	...	...	...	...	...	...	6	...	...	..
8	4	4	...	...	...	...	...	...	...	...	3	...	...	..
1	1	...	...	...	...	...	...	...	...	...	...	...	...	..
9	4	5	2	..	1	1	...	...	...	...	1	...	...	—3
12	...	...	...	...	...	...	...	...	...	...	11	...	...	—6
7	2	5	2	...	...	2	...	...	...	...	...	...	...	..
2	2	..	1	...	...	1	...	...	...	...	...	...	...	..
6	3	3	...	...	...	...	...	...	...	...	4	...	...	8 to 20
5	4	1	...	...	...	...	...	...	...	...	4	...	...	4 to 16
5	3	2	5	4	...	...	...	...	...	...	...	...	...	..
2	1	1	1	1	...	...	...	...	...	...	1	...	...	..
3	2	1	1	...	...	1	...	...	...	...	...	...	...	..
2	2	..	1	...	...	1	...	...	...	...	1	1	...	..
..	...	...	...	...	...	...	...	...	...	...	...	...	...	..
4	2	2	1	1	...	1	...	...	...	...	...	...	...	..
9	4	5	...	...	...	...	...	...	...	...	3	...	...	At birth
3	2	1	...	...	...	...	...	...	...	...	...	...	...	..
4	2	2	...	...	...	...	...	...	...	...	3	...	...	21
..	...	...	...	...	...	...	...	...	...	...	...	...	...	8
..	...	...	...	...	...	...	...	...	...	...	...	...	...	3
4	3	1	1	...	...	1	...	...	...	...	1	...	...	1
4	2	2	...	...	...	...	...	...	...	...	1	...	...	18
..	...	...	...	...	...	...	...	...	...	...	...	...	...	..
6	...	1	...	...	...	1	...	...	...	...	...	...	...	..

## CAUSE OF DEATH.

## CONDITION OF CHILDREN, REMARKS, ETC.

Diarrhoea.

The two defective are complete idiots; others normal.  
Is a partial idiot, but competent to do ordinary business.

Stillborn 3.  
Unknown 3.

All average constitution and minds.

Sprightly and intelligent, now aged 10 years.

..

One male has amaurosis; one female nyctalopia; all of ordinary health and minds, except the amaurotic male, who is mentally defective.

Stillborn 3 or 4.

The survivor, a daughter, is intelligent; one of the children, who died at 6, possessed a remarkable memory and could repeat a whole sermon.

..

The two sons are idiots; the daughters normal.

..

Both living; one an idiot, the other normal.

8 to 20

Unknown.

Normal in intellect; all frail physically.

4 to 16

Unknown.

Normal.

..

The mutes are two males and two females; the other male did not walk until 10 years of age; all below average in intellect.

Convulsions.

The survivor is the mute, and is below average intellectually.

..

The youngest a partial idiot.

..

The idiot survives.

..

Sterile.

..

One complete idiot; all below mediocrity.

At birth

Hydrocephalus 2.

Unknown 1.

Nearly all the survivors manifest a tendency to phthisis; none of them are mentally bright.

..

The two males are considered very dull.

21

Phthisis 1.

Remittent fever 1.

Marasmus 1.

A male, æt. 20, of bad habits and strongly disposed to phthisis, is the only representative of the family.

1

Dentition.

The youngest quite deficient mentally; the female intelligent.

18

Pneumonia.

One male was unhealthy until manhood, but then became healthy.

..

Sterile.

..

Children healthy; one male became insane at 16, and remains so, now 18.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
359	M. F.	Unknown.	Both dyspeptic; good habits.	Farmer.	1832	M. F. Young.
360	M. F.	Unknown.	Male, healthy; female, dyspeptic. The female died after having borne eight children, when the father married a woman not related, who bore three children; two healthy, one delicate; one of the healthy children died at eighteen of acute disease.	Farmer.	1815	Young.
361	M. F.	Unknown.	Both healthy and good habits; the father is now laboring under mental derangement.	Physician & farmer.	1838	Young.
362	M. F.	Sanguine.	Both healthy; male, intemperate.	Farmer.	—1835	21 17
363	M. F.	Atrabilious.	Both healthy with regular habits.	Farmer.	—1835	22 20
364	M. F.	Sanguine.	Average health; habitual drinker.	Innkeeper.	—1835	22 20
365	M. F.	Phlegmatic.	Both good health and habits.	Farmer.	—1835	25 20
366	M. F.	Choleric.	Both good health and habits.	Clergyman.	—1835	26 36
	M. F.	Lymphatic.				
	M. F.	Bilious.				
	M. F.	Nervous.				
367	M. F.	Choleric.	Both good health and habits.	Farmer.	—1835	21 20
	M. F.	Melancholic.				
368	M. F.	Sanguine.	Both good health and habits.	Laborer.	—1835	20 19
369	M. F.	Phlegmatic.	Both good health and habits.	Farmer.	—1835	Young.
	M. F.	Unknown.				
370	M. F.	Sanguine.	Both good size, sensible, healthy, rather corpulent, light hair, eyes, and skin; temperate.	Farmer.	1839	27 22
371	M. F.	..	Both medium size; dark hair, eyes, and skin; temperate habits. The husband healthy and vigorous, of usual intellect; wife unhealthy, coughs much in winter, but menstruates regularly.	Farmer.	1842	25 22
372	M. F.	Bilious.	Both healthy and intelligent; husband rather low and heavy, dark skin and black eyes, addicted to intemperance and opium eating; wife light hair and eyes, clear skin, choerful disposition.	Millwright.	1832	25 20
	M. F.	Sanguine.				
373	M. F.	Unknown.	Both good health and habits.	Farmer.	—1835	Young.
374	M. F.	Sanguine.	Both good health and temperate habits; tall, with light hair, eyes, and skin.	Farmer.	1839	22 21
	M. F.	Nervous.				
375	M. F.	..	Both dark skin, hair, and eyes, medium size; good intellect. Husband good constitution, temperate habits; wife rather delicate, but menstruates regularly, has had goitre 18 months.	Farmer.	1846	19 19
376	M. F.	Unknown.	Both healthy.	Farmer.	—1835	Young.
377	M. F.	Bilious.	Both healthy, dark skin, hair, and eyes, good size, well-formed; temperate habits.	Farmer.	1846	24 23
	M. F.	Unknown.				
378	M. F.	Sanguine.	Both rather light hair and eyes, and good skin, and temperate habits. Husband good constitution, rather low stature; wife very delicate, menstruates, but not regularly; both very sensible.	Farmer.	1853	24 23
	M. F.	Nervo-bilious.				



## First Cousins—Continued.

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
9	..	..	..	..	..	..	..	..	..	4	..	..	..
8	7	1	..	..	..	..	..	..	..	..	..	..	..
4	..	..	2	2	..	..	..	..	..	..	..	..	..
9	4	5	3	..	..	..	2	..	..	2	1	..	16
7	2	5	1	..	..	1	..	..	..	2	1	..	20
6	3	3	3	3	..	..	..	..	..	2	..	1	17
4	2	2	1	..	..	..	..	..	..	4	..	..	9
4	2	2	..	..	..	..	..	..	..	1	..	..	..
5	1	4	1	1	..	..	..	..	..	..	..	..	..
10	4	6	2	..	..	2	..	..	..	..	..	..	..
10	..	..	2	2	..	..	..	..	..	..	..	..	..
1	..	1	..	..	..	..	..	..	..	..	..	..	..
6	2	4	3	3	..	..	..	..	3	3	..	1	10
													18 mos.
8	3	5	..	..	..	..	..	..	..	1	..	..	3
8	..	..	5	3	..	..	..	1	..	..	..	..	..
1	..	1	1	..	..	..	..	..	1	..	..	..	..
1	..	1	..	..	..	..	..	..	..	..	..	..	..
6	..	..	6	2	..	4	..	..	..	..	..	..	..
5	2	3	..	..	..	..	..	..	..	1	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..

## CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.The five survivors are healthy ;  
all females.One female decidedly unhealthy;  
the others, with three excep-  
tions, considered delicate.

All below mediocrity.

All below mediocrity.

Had hare-lip, cleft palate, and  
fissured maxillary bone.Survivors have eccentricities of  
mind and manner so peculiar as  
to attract continual attention.One given to inordinate lust, so  
that she has to be prevented  
from associating with opposite  
sex.Those who have arrived at ado-  
lescence have obtuse intellects.  
These children seem morally de-  
fective; are dishonest and un-  
truthful.Now 15 years old, quite healthy,  
light hair, eyes, and skin.Survivors scrofulous; intellect  
not reported.All sensible and healthy; resem-  
bling either father or mother,  
except one female is cross-eyed.

Two have spinal affections.

Now 5 years old and resembles  
father.

Now 9 years old, seems healthy.

All weak minded.

All appear healthy.

Sterile.

PARENTS.								
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.		
						M.	F.	
379	M. F.	Sanguine.	Good health and habits; sandy hair, clear complexion; well-formed.—Wife, dark hair, skin, and eyes; is consumptive.	Farmer.	1847	30	18	
380	M. F.	Sanguine. “	Both large, well-proportioned; healthy and sensible. Husband inclined to corpulency, ruddy complexion, with “sandy or light hair;” wife dark hair and good skin.	Farmer.	1826	24	21	
381	M. F.	Bilious. Sanguine.	Dark skin, hair, and eyes; healthy, with temperate habits.—Wife, fair skin, light hair, and blue eyes; healthy.	Farmer.	1837	35	30	
382	M. F.	Unknown. “	Tall, good looking, dark hair, eyes, and skin; good health; intemperate.—Wife, healthy and well-formed.	..	1837	25	26	
383	M. F.	Bilious. “	Both healthy, large, and well-formed, with dark hair, skin, and eyes, and good habits.	Farmer.	1827	25	24	
384	M. F.	Sanguine. Bilious.	Both good constitutions; large, well-formed, with fair skins, black hair, and light eyes; habits good; both very sensible.	Farmer.	1834	23	27	
385	M. F.	Bilious. Nervo-bilious.	Both dark skin, black eyes, and hair, and temperate habits; husband large, well-formed, and healthy; wife rather delicate; both good sense. In Nos. 383, 384, & 385, the husbands are brothers, and the wives sisters.	Farmer.	1829	22	20	
386	M. F.	Nervo-sanguine. “	Both healthy.	Farmer.	—1835	Young.		
387	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	Young.		
388	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	Young.		
389	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	Young.		
390	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	Young.		
391	M. F.	Nervous. “	Both healthy.	Farmer.	—1835	Young.		
392	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	Young.		
393	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	Young.		
394	M. F.	Sanguine.	Large, fleshy, ruddy complexion, sandy hair; intemperate.—Wife, very healthy; light hair and complexion.	Farmer.	1822	25	23	
395	M. F.	Unknown. “	Both healthy.	Farmer.	—1835	Young.		
396	M. F.	Nervous. “	Both not robust; husband strumous.	Farmer.	—1835	Young.		
397	M. F.	..	Small, delicate, weak pulmonary system; intelligent.—Wife, tall, thin; medium health; rather weak intellect.	Paper-hanger.	1840	Young.		
398	M. F.	..	Tall, healthy, of medium weight; strong intellect; educated.—Wife, always feeble.	Profession.	1830	Young.		

*First Cousins—Continued.*

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Five years old, normal.
8	5	2	3	..	..	..	..	..	..	1	..	..	..	Unknown.	Three are Albinoes, well formed, but small and near-sighted.
9	8	1	1	..	..	..	..	..	..	1	..	..	..	..	One has dyspepsia; remaining seven are healthy and sensible.
6	4	2	2	..	..	1	..	..	1	1	1	..	18 mos.	Unknown.	The child that died had a singularly deformed foot, the heel projecting as far behind as the toes in front; a female, aged 6, is paralyzed, cannot articulate, and seems idiotic.
5	3	2	..	..	..	..	..	..	..	2	1	1	20 22	Consumption.	Children not so well formed as parents, but seem healthy; the female who died had married her double cousin 18 months before, but had not been pregnant.
4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	Healthy, sensible, and well formed.
7	5	2	1	..	..	..	..	..	..	1	..	..	..	..	All well formed.
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	All physically sound, but mentally weak, especially as compared with a large circle of family relations.
8	..	..	1	..	..	1	..	..	..	..	..	..	..	..	All dwarfish and weak minded.
7	..	..	2	..	..	..	..	..	..	..	..	..	..	..	One deformed with a short arm; another, spinal disease.
6	..	..	3	..	..	..	3	..	..	..	..	..	..	..	..
3	..	..	1	..	..	..	..	..	..	1	..	..	—5	Croup.	Slight ectropia, no other defects.
6	..	..	6	..	..	..	..	..	..	..	..	..	..	..	Feeble and almost perfect Albinoes.
3	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	No defects physically, but mentally stupid.
9	6	3	..	..	..	..	..	..	..	2	2	..	20 10	Fever. Dysentery.	Survivors healthy and sensible.
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	No defects.
6	3	3	3	..	..	..	..	..	..	..	..	..	..	..	One with club-foot, one "enlarged abdomen," one spinal disease.
3	..	..	3	..	..	3	..	..	..	..	..	..	..	..	Children born at intervals of two years; parents and children living.
6	..	..	1	1	..	..	..	..	..	..	..	..	..	..	All healthy and intelligent; the mute is the last child, and the defect is attributed by the father to ulceration of the ear in infancy, and the use of caustic to arrest the discharge.

PARENTS.							
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
399	M. ..		Both healthy and good habits; in easy circumstances of life.	Merchant.	1820	M. Young.	F.
400	M. Bilious.		Both good health and habits.	Merchant.	1829	23	23
	F. Nervous.						
401	M. Phlegmatic.		Male, strumous.—Female, not healthy; subject to epileptic seizures; aborted once.	Farmer.	—1835	Young.	
	F. Sanguine.						
402	M. Bilious.		Both rather delicate, but of good habits.	Shoemaker.	1847	22	22
	F. Nervous.						
403	M. Lymphatic.		Both delicate, but of temperate, regular habits.	Shoemaker.	1823	20	20
	F. “						
404	M. Unknown.		Both supposed to be of good health and habits.	..	—1830	Young.	
	F. Lymphatic.						
405	M. Unknown.		Both supposed to be of good health and habits.	..	1827	Young.	
	F. “						
406	M. Unknown.		Good health and habits.—Wife, sickly.	Farmer.	1844	21	..
	F. “						
407	M. Unknown.		Both good health and habits.	..	..	..	..
	F. “						
408	M. Unknown.		Both good health and habits.	..	1828	..	..
	F. “						
409	M. Unknown.		Both good health and habits. Male supposed to have had “white swelling” in early life, but perfectly recovered and healthy.	Farmer.	1846	21	18
	F. “						
410	M. Unknown.		Subject to attacks of pneumonia.—Wife, healthy.	Farmer.	1850	32	15
	F. “						
411	M. Unknown.		Both supposed to be of good health and habits.	..	..	Young.	
	F. “						
412	M. Unknown.		Both supposed to be of good health and habits.	..	..	Young.	
	F. “						
413	M. Unknown.		Both supposed to be of good health and habits. Male below average size.	Farmer.	—1835	30	20
	F. “						
414	M. Nervo-lymphatic.		Both of average health; habits of the male somewhat irregular; female had previously married a man not related, and had one healthy, normal child.	Literary pursuits.	1850	30	25
	F. “						
415	M. Unknown.		Both robust, and now living; probably 70 years of age.	Farmer.	1815	..	..
	F. “						
416	M. Unknown.		Both good health and habits.	Farmer.	1842	25	25
	F. “						
417	M. Unknown.		Both good health and habits.	Farmer.	1840	Young.	
	F. “						
418	M. Sanguino-bilious.		Vigorous health, and good habits.—Wife, good health; indolent and luxurious habits.	Lawyer.	—1855	25	20
	F. Nervo-lymphatic.						
419	M. Nervous.		Good health; active, good habits.—Wife, very delicate.	Lawyer.	—1835	25	20
	F. Unknown.						
420	M. Nervous.		Same male as in No. 419.—Wife, sister to female No. 419.	Lawyer.	1841	31	20
	F. Unknown.						
421	M. Unknown.		Both good health and habits; male, same as in No. 413.	Farmer.	..	30 to 40	
	F. “						
422	M. Unknown.		Both good health and habits; male became epileptic at 45.	Farmer.	—1835	30	30 to 40
	F. “					20	
423	M. Unknown.		Both good health and habits. Female, sister to male in No. 422.	Farmer.	—1835	30	20
	F. “						
424	M. Unknown.		Both good health and habits.	Farmer.	—1835	20 to 30	
	F. “						
425	M. Unknown.		Both good health and habits.	Farmer.	—1835	30	20 to 30
	F. “					20	

## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
5	2	3	4	..	..	1	..	..	..	3	1	2	25	Dysentery. Scrofula.	The idiot died; survivors dwarfish, are "mere pigmies," as was the oldest.
7	4	3	7	..	..	..	..	..	..	7	1	..	1	Convulsions.	
3	1	2	..	..	..	..	..	..	..	..	..	..	..	..	No physical or mental defect; the females bright scholars.
10	5	5	10	..	..	..	..	..	..	10	5	2	1	..	Phthisis 3. Scrofula 2.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	From the appearance of the survivors all will soon be swept away.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
2	1	1	1	1	..	..	..	..	..	..	..	..	..	..	The male normal.
5	1	4	..	..	..	..	..	..	..	..	..	..	..	..	The living male is healthy and intelligent.
3	..	..	1	1	..	..	..	..	..	..	..	..	..	..	The mute is a female, and lost her hearing at 18 months, referred to whooping-cough.
7	3	4	3	3	..	..	..	..	..	..	..	..	..	..	The three females were mutes.
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	The child is ten years old, and healthy.
4	1	3	..	..	..	..	..	..	..	..	..	..	..	..	Normal.
3	1	2	1	1	..	..	..	..	..	..	..	..	..	..	The mute is a female.
2	2	..	2	2	..	..	..	..	..	..	..	..	..	..	
4	..	..	1	..	..	1	..	..	..	3	..	..	..	Unknown.	Survivor is a female, and inferior mentally and physically.
1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	Ducts of both parotids terminate upon the surface; now 6 years old and cannot speak intelligibly.
7	3	4	1	..	..	1	..	..	..	..	..	..	..	..	The sons exhibit most remarkable inconstancy of purpose and fickleness.
4	..	..	4	..	..	..	..	..	..	4	..	..	—5	Unknown.	
5	..	..	3	3	..	..	..	..	..	..	..	..	..	..	The mutes are two males and one female.
2	2	..	..	..	..	..	..	..	..	1	1	..	2 mos.	Mismanagement.	Both large, vigorous, fine children.
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	Both delicate until puberty; now enjoy good health.
4	1	3	1	..	..	1	..	..	..	..	..	..	..	..	The son is deficient in intellect; the daughters fine children.
5	3	2	..	..	..	..	..	..	..	1	..	1	—5	Unknown.	Nothing unusual about children.
3	..	..	1	..	..	..	..	1	..	..	..	..	..	..	The children are small but sprightly; the attack of epilepsy is attributed to a fall.
3	..	..	1	..	..	..	..	1	..	..	..	..	..	..	The child noted as "defective" is paralytic; he has a cousin epileptic whose parents are not related.
3	1	2	..	..	..	..	..	..	..	..	..	..	..	..	Nothing unusual about children.
7	2	5	..	..	..	..	..	..	..	1	1	..	..	Unknown.	The children who arrived at maturity in no respect inferior to parents.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
						M. F.
426	M. F.	Unknown.	Both robust; habits good. Husband was a widower, and has children by his first wife.	..	1847	.. ..
427	M. F.	Sanguine.	Good health and habits.—Wife, unknown.	Merchant.	—1835	23 20
428	M. F.	Sanguine. Bilious.	Both good health and habits.	Physician.	—1835	Young.
429	M. F.	Unknown.	Male, healthy.—Female, of consumptive family.	Farmer.	1820	25 18
430	M. F.	Unknown.	Both healthy; male, light eyes and complexion; female, dark eyes, skin, hair.	Trader.	1840	45 35
431	M. F.	Unknown.	Male, healthy; light complexion, hair, and eyes.—Female, dark complexion, hair, and eyes; cancerous diathesis.	Farmer.	1816	40 30
432	M. F.	Unknown.	Male, healthy; light complexion, hair, and eyes.—Female, dark complexion, hair, and eyes; cancerous diathesis.	Farmer.	1808	24 20
433	M. F.	Unknown.	Both good health and habits.	Farmer.	—1835	Young.
434	M. F.	Unknown.	Good physical development, and good health; became a lunatic at an advanced age; was hard of hearing.—Wife, healthy until very old, then died of phthisis.	Farmer.	1790	30 20
435	M. F.	Unknown.	Both good health and habits.	Farmer.	—1835	Young.
436	M. F.	Unknown.	Both good health and habits.	Farmer.	1825	Young.
437	M. F.	Unknown.	Both most excellent mental and physical endowment; good habits.	Physician.	1830	Young.
438	M. F.	Unknown.	Healthy and vigorous; at times intemperate.—Wife, supposed to be healthy; good habits.	Physician.	1852	Young.
439	M. F.	Unknown.	Both parents healthy and good habits.	Farmer.	1825	Young.
440	M. F.	Sanguine. Bilious.	Both good health and habits, and good mental and physical development.—Female had borne six large, fine looking children by previous marriage to a husband not related.	Farmer.	1820	30 37
441	M. F.	Sanguine.	Both robust, well-formed, of large size; still living, and over sixty; their ancestry were remarkable for longevity and activity to extreme old age; the relationship was by the mother's side.	Farmer.	1810	Young.
442	M. F.	Sanguine. Phlegmatic.	Both good health and habits; six years after marriage, the female died in child-birth with her fifth child.	Farmer.	1839	33 26
443	M. F.	Unknown.	Both good health and habits. Brother of male in No. 442, and son of female in No. 440 by her first marriage; still living, aged from 50 to 60, very corpulent.	Farmer.	1816	19 16
444	M. F.	Bilious.	Disposed to phthisis, of which he died about 30.—Wife, healthy; affinity by mother's side.	Farmer.	—1835	Young.
445	M. F.	Unknown.	Predisposed to pulmonary disease, of which he died at 30.—Wife, healthy; after husband's death, married again and bore two children; healthy appearance.	Farmer.	—1835	20 18
446	M. F.	Sanguine.	Male had suffered in early life from constitutional syphilis, and had previously married a second cousin. See No. 66, Class F.—Female, a brauette, and healthy.	Farmer.	..	45 17



*First Cousins—Continued.*

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	1	1	..	..	..	..	..	..	..	..	..	..	..
4	2	2	1	..	..	..	..	1	..	..	..	..	..
4	4	..	2	..	..	2	..	..	2	2	..	..	6 to 14
4	2	2	3	..	1	2	..	1	..	2	1	1	4 8
2	1	1	1	..	..	..	..	..	..	1	..	1	18
8	4	4	6	..	..	1	..	..	..	4	2	2	—2
5	..	..	5	..	..	1	..	..	..	..	..	..	..
8	4	4	..	..	..	..	..	..	..	..	..	..	..
5	..	..	5	..	..	2	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	2	..	..	—2
10	..	..	4	..	..	..	..	..	..	..	..	..	..
2	1	1	..	..	..	..	..	..	..	..	..	..	..
5	1	4	..	..	..	..	..	..	..	..	..	..	..
5	1	3	1	..	..	1	..	..	..	1	..	..	..
12	4	8	1	..	..	1	..	..	..	8	1	7	14
													—3
													—16
													—3
6	2	4	4	..	..	2	..	..	..	6	2	4	—20
5	1	4	..	..	..	..	..	..	..	5	1	4	—6 mos.
1	..	..	..	..	..	..	..	..	..	1	..	..	3 days.

CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.

Sterile.

Both adults, healthy and vigorous.  
One epileptic, remainder normal and healthy.

Unknown.

Unknown.

One cross-eyed.

Consumption.

Unknown.

Five had extra fingers and toes.

..

All below mediocrity in intellect.

..

All rather inferior to parents.

..

All below mediocrity in intellect.

..

All healthy, bright, and intelligent.  
Sterile.

Unknown.

..

Club-foot 1, dwarf 1, chorea 1, deformed 1.

..

Equal to the children of the same mother by another husband.

..

No observable defects mental or physical, though the married daughters are sterile; one has been married 20 years.

Stillborn.

The daughters resemble their mother, and promise well; the son is idiotic, 17 years of age.

Unclosed foramen

ovale 1.

Dentition 3.

Consumption 2.

Cholera infantum

2.

Unknown.

These children develop early, are coarse and sensual in appearance. The married daughters bear children rapidly, but thus far all have died before maturity.

Two deformed; all dead and family extinct.

Unknown.

Convulsions.

The mother has suffered a number of abortions, and only this child was born at full period.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
447	M. F.	Sanguine. “	Both large, robust, and intellectual; male still active, <i>et.</i> 80; female died at 70; affinity on father's side.	Farmer.	1805	M. 28 F. 29
448	M. F.	Sanguine. Unknown.	Healthy and good habits; educated; inclined to <i>obesity</i> .—Wife, delicate constitution; mother and sister died of phthisis.	..	1845	45 35
449	M. F.	Sanguine. Unknown.	No report of health or habits; female of delicate frame and small stature; amiable disposition.	Farmer.	1842	35 ..
450	M. F.	Unknown. “	Both good health and habits.	Farmer.	1827	30 ..
451	M. F.	Unknown. “	Both good health and habits.	Farmer.	—1835	Young.
452	M. F.	Unknown. “	Both good health and habits.	Farmer.	—1835	Young.
453	M. F.	Unknown. “	Both good health and habits.	Farmer.	—1835	Young.
454	M. F.	Unknown. “	Both good health and habits. Male a direct lincal descendant of a distinguished orator.	Farmer.	—1830	Young.
455	M. F.	Sanguine. “	Both ordinarily good health; intellectual and highly cultivated. These parents, supposing the defects of their children were attributable to their own relationship, separated, and each having married a party not related, has one child healthy and bright.	Lawyer.	—1835	Young.
456	M. F.	Unknown. “	Good physical and mental development; educated.—Wife, strumous, bright mind, and educated.	Farmer.	1845	Young.
457	M. F.	Unknown. “	Both good health and habits.	Farmer.	—1835	Young.
458	M. F.	Unknown. “	Both healthy, but of intellects rather below average.	..	—1835	Young.
459	M. F.	Unknown. “	Both good health and habits. The male was brother to female of No. 460, Class E, and female was sister to male of No. 460.	..	1800	Young.
460	M. F.	Unknown. “	Both good health and habits; male of a high order of intellect. No hereditary predisposition to insanity known to exist in the families of Nos. 459 & 460.	..	1800	Young.
461	M. F.	Nervo-bilious. Unknown.	Both good health and habits; male was of small stature, and had lupus attacking the face at advanced life.	Farmer.	1815	25 20
462	M. F.	Nervo-sanguine. Unknown.	Both good health and habits.	Farmer.	1815	25 20
463	M. F.	Nervo-bilious. Unknown.	Both good health and habits.	Farmer.	1828	30 20

## First Cousins—Continued.

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
5	1	2	1	..	..	..	..	..	..	3	..	..	—18 22
													Unknown 2. Consumption 1.
3	..	..	..	..	..	..	..	..	..	2	..	..	..
													Marasmus 3.
5	4	1	2	..	..	1	..	..	..	1	1	..	—10
													Fever.
5	..	..	3	..	..	1	..	1	..	..	..	..	..
													..
6	..	..	3	..	..	..	..	..	..	3	..	..	..
													"Apoplexy."
5	..	..	3	3	..	..	..	..	..	..	..	..	..
													..
5	..	..	..	..	..	..	..	..	..	5	..	..	..
													Hemorrhage.
8	..	..	1	..	..	..	..	..	..	..	..	..	..
													..
2	1	1	2	..	..	2	..	..	..	..	..	..	..
													..
3	..	..	..	..	..	..	..	..	..	..	..	..	..
													..
5	..	..	..	..	..	..	..	..	..	..	..	..	..
													..
3	..	..	..	..	..	..	..	..	..	..	..	..	..
													..
6	2	4	2	..	..	..	2	..	..	1	1	..	—5
													Unknown.
6	4	2	1	..	..	..	..	..	..	1	1	..	—5
													Unknown.
4	1	3	2	..	..	2	..	..	..	..	..	..	..
													..
7	2	5	1	..	..	..	..	..	..	1	1	..	30
													Rheumatic. Endocarditis.
6	1	5	..	..	..	..	..	..	..	1	..	..	22
													Typhoid fever.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
						M. F.
464	M. Sanguine. F. Unknown.		Both good health and habits; male, sandy hair, blue eyes, of fine physical development and intellect, filled many offices of trust, and lived to a great age; affinity on father's side.	..	1800	Young.
465	M. Phlegmatic. F. Unknown.		Both ordinary health; husband rather intemperate.	Farmer.	1798	25 16
466	M. Bilious. F. Unknown.		Both good health and habits.	Farmer.	—1835	Young.
467	M. Unknown. F. “		Both good health and habits.	Merchant.	1797	Young.
468	M. Nervo-bilious. F. Unknown.		Male, good constitution; female, delicate, and died young; both good habits.	Farmer.	1816	25 20
469	M. Unknown. F. “		Both good health and habits.	Merchant.	1847	Young.
470	M. Unknown. F. “		Both good health and habits.	Merchant.	1827	Young.
471	M. Unknown. F. “		Both good health and habits.	Merchant.	1827	Young.
472	M. Unknown. F. “		Both good health and habits.	Merchant.	1817	Young.
473	M. Sanguine. F. “		Both good health and habits.	Farmer.	1800	23 22
474	M. Sanguine-bilious. F. Unknown.		Good health and habits.—Wife, consumptive, and died at 30 of phthisis.	Farmer.	1835	25 20
475	M. Bilious. F. “		Robust constitution; habits good.—Wife, delicate, inclined to strumous affections.	Farmer.	1820	Young.
476	M. Bilious-sanguine. F. Unknown.		Both good constitution and habits; superior intellectual endowments.	Lawyer.	1834	Young.
477	M. Choleric. F. Unknown.		Both good health, and active, temperate habits.	Farmer.	1824	25 22
478	M. Choleric. F. Nervous.		Good health, intemperate, but active habits; died at 60.—Wife, usual health; still living, aged 65.	Farmer.	1812	25 20
479	M. Bilious-sanguine. F. Unknown.		Very good health and habits.—Wife was of robust, healthy family, but died young; her own health unknown.	Farmer and preacher.	1817	25 20
480	M. Phlegmatic. F. Unknown.		Both good health, and temperate, active habits.	Farmer.	1845	21 17
481	M. Phlegmatic. F. Unknown.		Both good health, and temperate, active habits.	Farmer.	1853	28 31
482	M. Lymphatic. F. Nervous.		Both good health, and temperate, active habits.	Farmer.	1835	23 18
483	M. Choleric. F. Unknown.		Both good health, and temperate, active habits. This couple separated at the age of 35.	Farmer.	1840	25 25
484	M. Choleric. F. Unknown.		Good health, temperate, and active habits.—Wife is delicate, supposed to have phthisis.	Farmer.	1837	25 15
485	M. Phlegmatic. F. Unknown.		Both healthy, with temperate, active habits; male died at 75; female still living, at 75.	Farmer.	1802	25 20
486	M. Unknown. F. “		Both good health and habits.	Merchant.	1837	Young.

## First Cousins—Continued.

CHILDREN.																
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.				
10	1	9	...	...	...	...	...	...	...	6	...	...	—20	Unknown.	The son and three daughters married, and have had many children, almost all of whom have died before puberty, and the family seems likely to become extinct.	
12	5	5	7	...	...	1	...	1	6	1	1	...	25	Epilepsy.	The manifestations of scrofula are strumous affections of the bones, coxalgia, &c.	
12	...	...	...	...	...	...	...	...	...	12	...	...	—20	Unknown.		
5	...	...	1	...	...	1	...	...	...	1	...	...	..	Unknown.	The survivors, except the idiot, are mediocre.	
5	...	5	...	...	...	...	...	...	...	3	...	...	—10	Unknown.	All of feeble vitality.	
1	...	...	1	...	...	...	...	...	...	1	...	...	..	..		
3	...	...	3	...	...	...	...	...	...	3	...	...	..	..	"All peculiar and scrofulous."	
4	...	...	1	...	...	1	...	...	...	...	...	...	..	..	All singular.	
4	...	...	1	...	...	1	...	...	...	...	...	...	..	..	Those not idiotic are eccentric.	
8	4	4	8	...	...	...	...	...	1	4	5	1	4	—9	Epilepsy 1. Unknown 4.	All were feeble, both mentally and physically.
4	1	3	2	...	...	1	...	...	...	1	...	...	..	..	One female has spinal curvature, from ulcerative destruction of vertebra, mentally as bright as usual.	
5	...	...	3	...	3	...	...	...	...	...	...	...	..	..	Two normal.	
3	2	1	...	...	...	1	...	...	...	...	...	...	..	..	Others normal.	
4	1	3	1	...	...	...	...	...	...	4	1	...	—5 —25	Unknown. Fever.	All had good minds; one female had chorea, until her death, so that she could not walk without support.	
6	2	4	...	...	...	...	...	...	...	2	1	...	...	Killed by accident 1.	Survivors healthy, with good intellect.	
3	1	2	3	...	...	...	...	...	...	3	1	...	21 25	Phthisis 1. Phthisis.	The daughter who died had married and left a child, large of its age, but with hare-lip. The other daughter married a cousin, with whom she lived four years without issue; she has now spinal disease. The son is the subject of scrofulous ulceration of the bones.	
6	3	3	...	...	...	...	...	...	...	...	...	...	..	..	All living and healthy; good minds.	
..	...	...	...	...	...	...	...	...	...	...	...	...	..	..	No cause known for sterility.	
7	5	2	1	...	...	...	...	...	...	...	...	...	..	..	All living, of good minds and healthy, except one, a male of 14, has "cachexy." (Tabes mesenterica?)	
2	..	2	...	...	...	...	...	...	...	...	...	...	..	..	Both living; healthy and sensible.	
4	...	...	1	...	...	...	...	...	...	1	...	...	..	Unknown.	One was deformed and died early; survivors healthy.	
10	1	9	...	...	...	...	...	...	...	1	...	...	—5	Unknown.	The survivors are all healthy, with sound minds.	
1	1	...	...	...	...	...	...	...	...	...	...	...	..	..	Eccentric and inefficient.	

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
487	M.	Unknown.	Both good health and habits.	Mariner.	1849	M. F. Young.
488	F.	Unknown.	Both good health and habits.	Merchant.	1792	Young.
489	M.	Unknown.	Both good health and habits.	..	1822	Young.
490	F.	Unknown.	Both good health and habits.	Merchant.	1797	Young.
491	M.	Unknown.	Both sickly.	Mariner.	1810	Young.
492	F.	Unknown.	Both supposed to be healthy.	Merchant.	1847	Young.
493	M.	Bilious.	Both good health and habits.	Farmer.	1830	36 20
494	F.	Nervous.	Well developed, physically and mentally.—Wife of slender form and scrupulous.	..	1845	25 ..
494	M.	Unknown.	Both supposed to be healthy.	..	1832	Young.
496	F.	Unknown.	Both supposed to be healthy.	..	1837	Young.
497	M.	Unknown.	Both supposed to be healthy.	Farmer.	1837	Young.
498	F.	Unknown.	Both large and well-developed physically.	..	1831	Young.
499	M.	Lymphatic.	Both of good constitutions, and good physical development.	..	1800	28 25
499	F.	Bilio-nervous.				
500	M.	Melancholic.	Athletic form, dark skin, eyes, and dark, harsh hair; is, in disposition, rough and angular.—Wife, slender and light form, with light auburn hair, blue eyes, and fair skin.	..	1830	25 19
500	F.	Sanguine.				
501	M.	Sanguine.	Both good health and habits.	Carpenter.	1849	27 21
502	F.	Unknown.	Good constitution; red hair, light-blue eyes; not intellectual.—Wife, weak constitution, feeble mind, and indolent habits.	..	..	Young.
502	M.	Sanguine.				
502	F.	Phlegmatic.				
503	M.	Bilious.	Both healthy and good habits.	Farmer.	1841	25 23
504	F.	Bilio-lymphatic.	Both shattered constitutions, and intemperate habits.	Laborer.	1827	Young.
504	M.	Bilious.	Ordinarily good health; habits good.—Wife, feeble health.	Farmer.	1852	25 20
505	F.	Unknown.	Both good health and habits.	Mason.	1839	18 23
505	M.	Lymphatic.	Healthy; good habits; independent; had been previously married.—Wife, delicate health. Both intelligent and educated; wife died soon after marriage.	Farmer.	1837	.. ..
506	F.	Unknown.	Both good health and habits; wife was niece to husband's father.	Physician.	1845	.. ..
507	M.	Unknown.	Both good health and habits; male, an active intelligent man, died at 75 from injuries accidentally received.	Farmer.	1807	25 Young.
507	F.	Unknown.				
510	M.	Bilious-sanguine.	Both supposed to be of good health and habits; male of fine mental development.	Saddler.	1817	Young.
510	F.	Unknown.				



## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
4	..	1	..	1	..	..	..	..	..	..	..	..	..	..	Three of average brightness.
5	..	1	..	..	1	..	..	4	..	..	..	..	—5	Unknown.	Has lucid intervals.
5	2	3	5	..	..	1	..	..	5	..	..	..	..	..	Mediocre in intellect.
6	..	2	..	2	..	..	..	..	..	..	..	..	..	..	Four are of good minds.
4	..	4	1	..	1	..	1	..	..	..	..	..	..	..	The three oldest are healthy.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
3	1	2	2	..	..	..	..	2	1	1	..	..	—5	Hydrocephalus.	The daughters of fair intellect.
3	2	1	3	..	..	..	..	3	1	1	..	..	10	Scrofulous abscess and softening of the bones.	The long bones of the son who died could be bent to form a half circle. The female had intense strumous ophthalmia for three years. The youngest is covered with eczema and cannot recover. All scrofulous, and disposed to phthisis.
4	1	3	4	..	..	..	..	4	..	..	..	..	..	..	All scrofulous, and disposed to phthisis.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
6	4	2	6	..	..	..	..	6	1	..	..	..	..	Unknown.	The survivors are "eccentric and scrofulous."
5	1	4	5	..	..	..	..	5	1	..	1	..	25	Phthisis.	The survivors are all scrofulous, and of intellects below average.
4	3	1	4	..	2	..	2	..	..	..	..	..	..	..	One male and the female were complete idiots; two sons of average intellect, but scrofulous.
7	4	3	4	..	3	..	..	2	1	1	..	..	15 15	Suicide. Dropsy of heart.	One daughter, not classed as idiotic, showed a great moral obliquity, was delivered of an illegitimate child at 15 without any sense of shame. Three are healthy and bright.
3	1	2	..	..	..	..	..	..	..	..	..	..	..	..	No defects.
7	..	7	..	1	..	..	..	..	..	..	..	..	..	..	All feeble minds; one a complete idiot; and one male of 14 can neither walk, talk, nor feed himself.
3	1	2	1	..	1	..	..	2	..	2	..	..	3	Hydrocephalus 2.	The idiot survives, stammers badly.
5	3	2	5	..	3	..	5	4	2	..	..	..	12 —5	Phthisis 1. Unknown 3.	Defects of offspring attributed to drunken habits of parents.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile thus far.
7	6	1	1	..	1	..	..	2	2	..	..	..	2	Burned 1. Unknown 1.	Others quite healthy.
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	Bright and healthy; still living.
3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	No physical or mental defects, but extremely nervous.
10	7	3	1	..	1	..	..	..	..	..	..	..	..	..	The females were well-developed physically and mentally; two married to parties not related, one bore eleven children, three of whom died infants; of the eight survivors, one is defective mentally and physically.
4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	All normal and well-developed.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
511	M. F.	Unknown.	Male, consumptive.—Female, good constitution.	..	—1835	M. F. Young.
512	M. F.	Unknown.	Both good health and habits; still living.	Clerk.	1850	Young.
513	M. F.	Unknown.	No report of health or habits, but may be presumed to be average; male is dead.	..	—1835	Young.
514	M. F.	Unknown.	Both muscular and of robust health; habits good.	Scientific pursuits.	1830	22 18
515	M. F.	Unknown.	Both weakly; the male industrious and temperate, female subject to hysteria.	Farmer.	1827	20 20
516	M. F.	Unknown.	Both healthy, robust, and temperate.	Farmer.	1855	28 25
517	M. F.	Sanguine.	Ordinarily robust; of free, luxurious habits of living.—Wife, delicate, fragile, indolent, and luxurious in her tastes.	Lawyer.	1802	25 20
518	M. F.	Unknown.	Both good health and temperate habits; male, corpulent.	Farmer.	1826	22 18
519	M. F.	Unknown.	Both feeble health; the male has chronic disease of the liver, the female is strumous and dropsical.	Farmer.	1825	24 20
520	M. F.	Unknown.	Robust health and temperate habits.—Wife, weakly.	Farmer.	—1835	27 30
521	M. F.	Unknown.	Supposed to be of good health and habits.	..	—1835	Young.
522	M. F.	Bilious.	Robust health, good habits, corpulent.—Wife, healthy; good habits.	Physician.	1850	23 24
523	M. F.	Unknown.	Healthy and temperate habits.—Wife, weakly.	Farmer.	1830	Young.
524	M. F.	Unknown.	Both good health and habits.	Farmer.	1851	23 20
525	M. F.	Unknown.	Male, dyspeptic.—Female, healthy.	Farmer.	1825	24 25
526	M. F.	Bilious.	Good health and habits.—Wife, supposed to have cardiac disease.	Farmer.	1851	20 20
527	M. F.	Unknown.	Supposed to be healthy.	..	—1835	.. ..
528	M. F.	Unknown.	Supposed to be healthy.	..	1830	.. ..
529	M. F.	Sanguine-bilious. Sanguine-nervous.	A large man, of admirable physique, and much bodily vigor; was some years ago temporarily insane, and still considered erratic.—Wife, small, and never enjoyed very good health after marriage.	Preacher.	1827	Young.
530	M. F.	Unknown.	Of good health and habits.—Wife, feeble.	..	..	Young.
531	M. F.	Sanguine.	Both healthy and regular habits.	Merchant.	1837	20 20
532	M. F.	Bilious. Lymphatic.	Both healthy and good habits.	Physician.	1850	36 13

*First Cousins—Continued.*

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
6	3	3	6	3	..	..	..	..	6	4	2	2	20 to 26
..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	2	3	1	1	..	..	..	..	..	..	..	..	..
5	5	..	..	..	..	..	..	..	..	1	1	..	1
15	10	5	1	..	..	..	..	..	1	..	..	..	..
2	..	2	1	..	..	..	..	..	1	..	..	..	..
2	2	..	2	1	..	..	1	..	2	1	1	..	16
4	2	2	4	..	..	..	..	..	4	..	..	..	..
4	1	3	4	..	..	..	..	..	2	1	1	..	..
8	3	3	6	..	..	..	..	..	6	6	2	2	7 mos. to 14 mos.
5	1	4	1	1	..	..	..	..	1	..	1	..	14
2	..	2	..	..	..	..	..	..	..	..	..	..	..
12	5	7	..	..	..	..	..	..	..	..	..	..	..
4	1	3	1	..	..	..	..	1	..	1	1	..	8 mos.
9	2	7	7	2	..	..	..	3	2	1	..	1	2
4	3	1	..	..	..	..	..	..	3	2	1	..	14
6	4	2	3	3	..	..	..	..	..	..	..	..	..
5	2	3	5	..	..	..	..	..	1	1	..	..	15
4	3	1	..	..	..	..	..	..	1	1	..	..	—15
2	..	..	1	..	1	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..

## CAUSE OF DEATH.

CONDITION OF CHILDREN.  
REMARKS, ETC.

Consumption.

The three females were deaf and dumb; the survivors have a tuberculous tendency. Sterile.

..

The mute is a female.

Croup.

The survivors are all above mediocrity; one has obtained distinction as an inventor of mechanical and agricultural implements.

..

..

Encephalitis.

The son that died was of diminutive person, delicate constitution, unusually large head, and precociously talented; the lunatic is still living, age 50.

..

These children are scarcely equal to usual standard; one has defective sight and strabismus. The oldest daughter is deformed, one arm and leg smaller than the other. The others are of good physical development, but weak minded, pert, forward, and the butt of all their companions.

Unknown.

The oldest daughter is deformed, one arm and leg smaller than the other. The others are of good physical development, but weak minded, pert, forward, and the butt of all their companions.

Anemia.

Two of these births were premature, one stillborn, the other survived a few hours; sex of both unknown. Survivors anemic.

Pneumonia.

The mute died; several of the family connections are mutes. Normal.

..

..

Normal.

Epilepsy.

Four are myopic; two have strumous ophthalmia. Survivor sprightly and healthy.

2

Worms 1.

Consumption 1.

"Coma" 1.

Stillborn 1.

Hydrocephalus 1.

..

The mutes are two males and one female.

15

Tuberculosis.

All were of feeble, frail constitutions; two had defective vision; all had light hair and eyes.

Eruptive disease.

The surviving males are respectively 29 and 24, are inferior intellectually to their father, but not strikingly defective; daughter small and delicate, but good mind.

..

The oldest is fragile in person and of feeble mind; the youngest of good health and intellect. Sterile.

..

Sterile.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
533	M.	Nervous.	Both healthy but not vigorous; very active in their habits.	General business.	1847	M. 36 F. 26
534	F.	Lymphatic.	Feeble and of consumptive tendency; habits regular.—Wife, not muscular, but of good health; died of dysentery.	Farmer.	1852	30 17
535	M.	Nervo-lymphatic.	Both of good health, and active, regular habits.	Painter.	1838	25 19
536	F.	"	Unhealthy, but of regular habits.—Wife, healthy.	Farmer.	1818	20 20
537	M.	Nervo-lymphatic.	Unhealthy, but of regular habits.—Wife, healthy.	Farmer.	1818	20 20
538	F.	Lymphatic.	Unhealthy, but of regular habits.—Wife, healthy.	Farmer.	1818	20 20
537	M.	Unknown.	Healthy and good habits.—Wife, unknown.	Farmer.	1818	26 26
538	F.	"	Both healthy, but habits unknown.	Farmer.	1809	25 25
539	M.	Unknown.	Unknown.	..	1842	22 18
540	F.	"	Unknown.	..	1842	22 18
540	M.	Sanguine nervous.	Both good health and habits, except the female became temporarily debilitated while pregnant with her second child.	Lawyer.	..	Young.
541	F.	Sanguine.	Both good health and habits, except the female became temporarily debilitated while pregnant with her second child.	Lawyer.	..	Young.
541	M.	Unknown.	Supposed to be of good health and habits, of a family high in social and intellectual position.—Wife, no report of habits.	..	—1835	Young.
542	F.	"	Supposed to be of good health and habits, of a family high in social and intellectual position.—Wife, no report of habits.	..	—1835	Young.
542	M.	Unknown.	Both supposed to be of good health and habits.	Undertaker.	..	Young.
543	F.	"	Both supposed to be of good health and habits.	Undertaker.	..	Young.
543	M.	Unknown.	Both supposed to be of good health and habits.	..	..	Young.
544	F.	"	Both supposed to be of good health and habits.	..	..	Young.
544	M.	Unknown.	Both supposed to be of good health and habits.	..	—1835	Young.
545	F.	"	Both supposed to be of good health and habits.	..	—1835	Young.
546	M.	Unknown.	Both supposed to be of good health and habits.	..	—1835	Young.
547	F.	"	Both supposed to be of good health and habits.	..	—1835	Young.
547	M.	Unknown.	Both of German origin; healthy and good habits.	Farmer.	—1835	Young.
548	F.	"	Both of German origin; healthy and good habits.	Farmer.	—1835	Young.
549	M.	Unknown.	Both of German origin; healthy and good habits.	Farmer.	—1835	Young.
550	F.	"	Both of German origin; healthy and good habits.	..	..	Young.
550	M.	Unknown.	Both finely developed organisms, and healthy; lived to old age.	..	—1835	Young.
551	F.	"	Both finely developed organisms, and healthy.	..	—1835	Young.
552	M.	Unknown.	Both healthy and good habits, with marked family characteristics, but without known tendency to any special malady.	..	—1835	Young.
553	F.	"	Both healthy and good habits.	..	—1835	Young.
553	M.	Unknown.	Both healthy and good habits.	Farmer.	1830	Young.
554	F.	"	Both healthy and good habits.	Farmer.	1830	Young.
554	M.	Unknown.	Both good health. The husband died some years after marriage, and the female married a man not related, by whom she bore three children, at two births, well-developed and sprightly.	..	1830	Young.
555	F.	"	Both good health. The husband died some years after marriage, and the female married a man not related, by whom she bore three children, at two births, well-developed and sprightly.	..	1830	Young.
555	M.	Bilious.	Both healthy and good habits; without personal resemblance.	Farmer.	—1835	Young.
555	F.	Sanguine-nervous.	Both healthy and good habits; without personal resemblance.	Farmer.	—1835	Young.

## First Cousins—Continued.

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
3	..	3	..	..	..	..	..	..	..	..	..	..	..
1	..	..	..	..	..	..	..	..	..	1	..	..	10 mos. Marasmus.
5	2	3	..	..	..	..	..	..	..	1	1	..	7 mos. Marasmus.
8	6	2	1	..	..	..	..	..	1	1	..	..	30 Phthisis.
4	2	2	1	..	..	..	..	..	1	..	..	..	..
1	1	..	..	..	..	..	..	..	..	..	..	..	..
5	2	3	1	..	1	..	..	..	1	..	1	..	.. Unknown.
4	..	..	1	..	..	..	..	..	1	..	..	..	.. Smallpox.
7	..	..	2	1	1	..	..	..	..	..	..	..	..
6	2	4	5	..	..	1	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	1	2	2	..	..	..	..	..	..	..	..	..
5	..	..	5	2	..	3	..	..	3	..	..	..	..
8	..	..	7	1	..	7	..	..	..	..	..	..	..
4	2	2	3	..	..	3	..	..	..	..	..	..	..
6	..	..	1	..	..	1	..	..	1	..	..	..	.. Convulsions.
2	..	..	..	..	..	..	..	..	2	..	..	..	.. Stillborn 1.
..	..	..	..	..	..	..	..	..	..	..	..	..	.. Poisoned 1.
7	5	2	..	..	..	..	..	..	..	..	..	..	..
4	..	..	3	1	..	..	..	1	1	1	..	..	..
4	..	..	..	..	..	..	..	..	1	..	..	..	26
5	..	..	2	..	..	2	..	..	..	..	..	..	..
9	..	..	4	..	..	4	..	..	..	..	..	..	..

All healthy ; from 4 to 10 years of age.

The survivors are anemic, but otherwise of average health. The survivors of average health ; some are married and have healthy children.

One female has phthisis, remainder healthy.

Still living and healthy, mentally and physically.

The two youngest twins, and one blind ; the sons healthy.

The first child was normal, but small ; the second child was malformed, having but one arm, and died young ; the two last are normal.

Five are medium.

Four are deformed, one has rachitis ; one only is mediocre in health and intellect.

Of good physical health and unusually precocious intellects.

The eldest is an intelligent, healthy woman ; the mutes are of active temperaments, but limited capacity.

One is possessed of moderate health and intellect.

These three defective were normal until adolescence, when they became imbeciles, with paralysis of entire muscular system.

The idiotic daughter is ten years old and cannot walk.

One died of morphia, given by its mother through mistake. Sterile.

All grown and well developed.

The child set down as normal died in infancy.

All well developed except the youngest, which is small and feeble.

The defective are not entirely idiotic, but are "simple."

Two of the idiots were insusceptible of improvement ; one never learned to talk. Of the five set down as not defective three were above mediocrity, and two below that standard.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
556	M. F.	Sanguine-bilious " "	Both good health and habits; are of large frames and intelligent.	Farmer.	—1835	M. F. Young.
557	M. F.	Unknown. " "	Both good health and habits, and resemble strikingly.	..	—1835	Young.
558	M. F.	Unknown " "	Both good health and habits.	Farmer.	—1835	Young.
559	M. F.	Unknown " "	Both good health and habits.	Farmer.	—1835	Young.
560	M. F.	Unknown. " "	Both good health and habits.	Farmer.	—1835	Young.
561	M. F.	Unknown. " "	Both good health and habits. The male occupied a position of great pre-ferment; surrounded by every circumstance calculated to promote healthy development of offspring.	..	—1835	Young.
562	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
563	M. F.	Unknown. " "	Both good health and habits; of average mental capacity.	..	..	Young.
564	M. F.	Unknown " "	Both good health and habits, and intellectual culture.	..	—1835	Young.
565	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
566	M. F.	Unknown. " "	Of good development, but not vigorous.—Wife, good health.	..	—1835	Young.
567	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
568	M. F.	Unknown. " "	Both good health and habits, and good mental and physical development. The male had been previously married, and has one son, by a woman not related, of fine physical frame and average intellect.	..	—1835	Young.
569	M. F.	Unknown. " "	Both good health and habits, and of usual mental endowment.	..	..	Young.
570	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
571	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
572	M. F.	Unknown. " "	Both good health and habits.	..	..	Young.
573	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
574	M. F.	Unknown. " "	Both good health and habits.	..	..	Young.
575	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
576	M. F.	Unknown. " "	Both good health and habits.	..	—1835	Young.
577	M. F.	Unknown. " "	Both stout and healthy, and of healthy families.	..	—1835	Young.
578	M. F.	Unknown. " "	Both very vigorous health, and good habits. The male was six feet two inches high, and very muscular, died in 1846, aged near 90; female still living, aged near 100, and retaining her faculties.	..	—1835	Young.



## First Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	All of medium health and intellect, but in size small, "rather dwarfish."
4	..	..	1	..	1	..	..	..	..	1	..	..	..	..	Of the survivors one is above mediocrity, one below, the third a complete idiot.
3	..	..	2	2	..	..	..	..	..	..	..	..	..	..	One malformed, one of good talents but erratic, three fair in intellect.
5	..	..	1	..	..	..	..	..	..	..	..	..	..	..	Two normal.
5	..	..	3	..	3	..	..	..	..	..	..	..	..	..	All grew to maturity, but were not above mediocrity in intellect or physical energy; one daughter married a cousin, and is female in No. 54, Class C.
8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	The surviving daughter is myopic, and has curved spine; only one son equals the father in stature; all are "queer folks."
9	7	2	7	..	..	..	..	..	..	1	..	1	..	Consumption.	The survivor is small for his age, and a dull boy.
5	1	..	..	..	..	..	..	..	..	4	..	..	—7	Unknown.	These daughters are not deformed, but seemed to have had further development arrested at ten or twelve, and are miniature women.
3	..	3	3	..	..	..	..	..	..	..	..	..	..	..	Sterile.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	Sterile.
4	..	4	4	4	..	..	..	..	..	..	..	..	..	..	The living daughter is diminutive in size, and of feeble intellect; the other survivor, a son, is "dull and fat."
4	..	..	3	..	..	..	..	3	..	2	..	..	..	Convulsions.	The survivor is only two years old, and extremely fat.
3	..	..	..	..	..	..	..	..	..	2	..	..	..	Unknown.	Healthy and bright.
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	The survivor has ordinary mind and normal development; the two idiots had club feet, and no articulate language.
3	..	..	2	..	2	..	..	..	..	2	..	..	5 7	Unknown.	Survivor still young.
3	..	..	..	..	..	..	..	..	..	2	..	..	—7	Unknown.	The idiot stammered badly.
2	2	..	1	..	1	..	..	..	..	2	..	..	—7 16	Unknown. Fever.	Both paraplegic.
2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	Unknown.
3	..	..	..	..	..	..	..	..	..	3	..	..	—7	Unknown.	Two had defective vision, were almost blind; the survivors healthy.
1	..	..	..	..	..	..	..	..	..	1	..	..	—7	Unknown.	All were mentally bright.
8	..	..	2	..	1	..	..	..	..	4	..	..	16 5 —5	Marasmus 1. Unknown 1. " 2.	Consumption 12.
13	..	..	4	2	..	..	..	..	..	2	12	..	15 to 30	Consumption 12.	

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
579	M.	Unknown.	Both good health and habits.	..	—1835	M. F. Young.
580	F. M.	“ Unknown.	Neither of good mental or physical endowment.	..	—1835	Young.
581	M.	Nervo-sanguino-bilious.	Constitution naturally good; in middle age very intemperate.—Wife, great recuperative energy of constitution; habits good.	Farmer.	1813	24 23
582	F.	Nervo-bilious.	Both good health and temperate habits. The father had been previously married to a woman, not a relation, who bore two children, both inferior to the second set; the first wife was physically inferior to the second.	Farmer.	1805	36 27
583	M.	Bilious.	Both good constitutions, and good habits.	Farmer.	1839	28 22
584	F.	Nervo-lymphatic.	Good constitution; habits uncertain.—Wife, good health and habits.	Clerk.	1855	27 21
585	M.	Nervo-sanguine.	Good health and habits.—Wife, feeble health; habits good.	Farmer.	1810	22 19
586	F.	Unknown.	Both good health and habits. The parties differed widely in form, personal appearance, mode of thought, and manners, except that both possessed equanimity of temper; were in highly favorable circumstances of life.	Physician.	1846	Young.
587	M.	Sanguine.	Both healthy, with fair skin, sandy hair, and blue eyes; in favorable circumstances of life.	Farmer.	1821	Young.
588	F.	“	Both healthy; the male brother to male of No. 587, the female sister to female of same number, whom they resembled; in thrifty, favorable circumstances of life.	Farmer.	..	Young.
589	M.	Sanguine.	Both healthy, and in good circumstances of life.	Farmer.	1842	Young.
590	F.	“	Both healthy, and in good circumstances of life.	Farmer.	1820	Young.
591	M.	Bilio-phlegmatic.	Both good health and habits, and in good circumstances of life; both dark hair, eyes, and complexion.	Farmer.	1820	Young.
592	F.	Sanguine-bilious.	Both good health and habits, with dark-blue eyes and dark complexion; in good circumstances of life; the female sister to female of No. 590. Two other sisters married; one a remote cousin, and was sterile; the other a man not related, and bore many children.	Farmer.	—1835	Young.
593	M.	“	Both healthy, and in good circumstances of life.	Farmer.	—1835	Young.
594	F.	Unknown.	Both good health and habits; during the fruitful period of their union the male died of fever, the female of consumption. The male was regarded insane for some days, upon learning that his daughter was pregnant by her cousin.	Scholar.	—1835	Young.
594	M.	Unknown.	Both healthy and good habits; parents very forcibly resemble each other; are in good circumstances of life, and no reason known why their children should not equal the parents.	..	1845	Young.

## First Cousins—Continued.

CHILDREN.																
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.				
4	...	3	...	...	...	...	...	...	2	...	...	...	..	..	One is a complete albino.	
3	...	1	...	...	1	...	...	...	2	...	...	...	—5	Purpura hemorrhagica.	The survivor is defective, both mentally and physically.	
5	2	3	5	...	...	...	1	...	5	...	...	...	..	..	The three daughters are peculiarly sensitive and excitable, lacking energy and decision of character.	
7	3	4	2	...	...	...	1	...	...	...	...	...	..	..	The insane child was a female; another daughter was unsteady in mind; one son was superior mentally to either of his parents.	
2	1	1	2	...	1	...	...	...	2	1	1	...	2	Scrofula.	The living child is of weak mind.	
1	1	...	1	...	...	...	...	...	1	...	...	...	3 mos.	Hydrocephalus.	Probably congenital, as the head was always large.	
6	1	5	1	...	...	...	...	...	1	...	...	...	..	..	Of average mental and physical development.	
5	1	4	...	...	...	...	...	...	...	1	...	...	4	Unknown.	The children are delicate but otherwise normal, except that the eldest is slightly cross-eyed.	
11	5	6	2	1	...	...	...	...	...	5	4	1	1 23 21 19 2	Croup 1. Cholera 1. " 1. " 1. Unknown 1.	The living son is sprightly and promising; the females are merely passable; two of the females have oblong or angular pupils, and are called cat-eyed; one male had curved spine.	
7	2	5	1	...	...	1	...	...	...	2	1	1	8	" Accident" 1, Croup 1.	The male with defective mind has also an impediment of speech; the females are sprightly.	
3	1	2	2	...	...	...	...	...	...	...	...	...	..	..	The male and one female very hard of hearing, and of dull intellect; the others sprightly and healthy.	
..	...	...	...	...	...	...	...	...	...	...	...	...	..	..	Sterile. No cause known for sterility.	
..	...	...	...	...	...	...	...	...	...	...	...	...	..	..	Sterile. No cause known for sterility.	
10	6	4	1	1	...	...	...	...	...	4	1	1	4 3	Convulsions. Diseased antrum. Unknown.	The mute died, aged four; the survivors are reported healthy; one male has a strangely shaped head.	
5	3	2	3	...	...	3	...	...	...	1	...	1	30	Consumption.	One son and one daughter were bright; the son committed suicide, the daughter became illicitly pregnant by her first cousin, and bore a child "shockingly deformed," which lived but a few days.	
3	..	3	2	...	...	2	...	...	...	...	...	...	..	..	One is very bright, the eldest and third idiots.	

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
595	M. F.	Unknown. "	Both healthy and good habits; parents do not resemble; no circumstance known tending to prevent production of healthy children.	..	1842	M. F. Young.
596	M. F.	Unknown. "	No report of health or habits, except that the mother died of consumption at the age of 39.	..	1822	25 17
597	M. F.	Sanguine. Nervo-bilious.	Dark hair, blue eyes; good health and habits; wealthy.—Wife, black hair and eyes, and brunette; not robust.	Farmor.	—1835	Young.
598	M. F.	Bilious. Bilio-lymphatic.	Both good health and habits; in easy circumstances; the male has black hair and eyes, and dark skin; female dark-brown hair, fair skin, and hazel eyes.	Physician.	1840	Young.
599	M. F.	Unknown. "	Both good health and habits; good circumstances.	..	..	Young.
600	M. F.	Sanguine. Bilious.	Both healthy and long-lived; male had light hair, blue eyes, and fair skin; female, black hair and eyes, and dark skin.	Farmor.	1818	Young.



PARENTS.								
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.		
						M.	F.	
1	M. F.	Sanguine-bilious.	Both of good constitution and temperate habits. Female, large and well-developed; is the husband's second cousin by mother's side, and third cousin by father's.	Farmer.	1837	26	17	
2	M. F.	Sanguine. Bilious.	Male, good constitution.—Female, tuberculous. Both good habits.	Farmer.	1832	30	30	
3	M. F.	Phlegmatic. Bilious.	Both ordinarily good constitution and habits.	Farmer.	1833	24	19	
4	M. F.	Bilious. Phlegmatic.	Both ordinarily good constitution and habits.	Farmer.	1823	24	20	
5	M. F.	Bilious. Phlegmatic.	Both ordinarily good constitution and habits.	Farmer.	1841	30	17	
6	M. F.	Sanguine. Bilious.	Both ordinarily good constitution and habits.	Farmer.	1837	17	15	
7	M. F.	Sanguine. Bilious.	Both ordinarily good constitution and habits.	Farmer.	1822	23	17	
8	M. F.	Sanguine. Bilious.	Both ordinarily good constitution and habits.	Farmer.	1824	21	16	
9	M. F.	Sanguine. Bilious.	Both ordinarily good constitution and habits.	Farmer and blacksmith.	1845	21	21	
10	M. F.	Sanguine. Phlegmatic.	Both ordinarily good constitution and habits.	Farmer.	1848	25	25	
11	M. F.	Sanguine. Phlegmatic.	Both ordinarily good constitution and habits.	Farmer.	1852	21	22	
12	M. F.	Sanguine. Phlegmatic.	Both ordinarily good constitution and habits.	Preacher.	1839	28	36	
13	M. F.	Bilious.	No report.	Farmer.	—1835	27	15	
14	M. F.	Atra-bilious.	Constitution delicate; temperate habits.	Farmer.	1852	20	..	
15	M. F.	Sanguine.	Robust and temperate.	Farmer.	1853	21	..	
16	M. F.	Sanguine.	Both robust; husband inclined to intemperance.	Farmer.	..	..	..	
17	M. F.	Unknown.	Both good health and habits.	Farmer.	1800	25	..	
18	M. F.	Unknown.	Both good health and habits.	Farmer.	1804	23	..	
19	M. F.	Unknown.	Both good health and habits.	Farmer.	1816	26	..	
20	M. F.	Unknown.	Both good health and habits.	Physician.	1840	30	..	
21	M. F.	Sanguine.	Both good health and habits.	Shoemaker.	1845	23	18	
22	M. F.	Bilious. Nervous.	Both good health and habits; husband, brown hair; wife, tall, light hair and skin, blue eyes; first cousin to husband's mother.	Cabinet-maker.	1825	22	20	
23	M. F.	Nervous. Phlegmatic.	Both good health and habits.	Farmer.	1830	36	14	
24	M. F.	Bilious.	Both robust; habits irregular.	Merchant.	1847	33	29	
25	M. F.	Unknown. Nervous.	No report of health; intemperate habits.—No report of female.	Tinsmith.	1834	Young.		
26	M. F.	Bilious. Sanguine.	Vigorous health and regular habits.—Wife had three miscarriages before the birth of a living child, none since.	Farmer.	1845	23	20	
27	M. F.	Sanguine-nervous.	No report.	..	1837	Young.		
28	M. F.	Sanguine. Bilious.	No report.	..	1820	22	16	



## Second Cousins.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
12	10	2	..	..	..	..	..	..	..	2	1	..	10 mos.	Cholera infantum. Stillborn 1.	There is a peculiar stare in the visage of the children, clearly indicating a deficiency of mental vigor, though no means are spared to educate them.
5	4	1	5	..	..	5	..	..	..	..	..	..	..	..	
2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	
7	3	4	1	..	..	1	..	..	..	1	1	..	4	Accident.	
8	6	2	1	..	..	..	..	..	..	..	..	..	..	..	
5	2	3	1	..	..	..	..	..	..	2	1	1	—3	Unknown.	"The defective child is nearly black—a mark." (Cyanosis?) One with deformed pelvis; the mother had an illegitimate son by her husband's brother, not enumerated with the five legitimate, who also had deformed pelvis.
6	3	3	3	..	..	1	..	2	..	1	1	..	1	Intestinal worms.	
4	2	2	..	..	..	..	..	..	..	..	..	..	..	..	
5	3	2	..	..	..	..	..	..	..	..	..	..	..	..	
6	4	2	1	..	..	..	..	1	..	1	..	1	1	Epilepsy.	
4	..	4	..	..	..	..	..	..	..	..	..	..	..	..	The defective child was a male, one of whose testicles never descended to scrotum. The surviving children sound in body and mind, and remarkable for uniform good health. Hitherto sterile.
6	5	1	1	..	..	..	..	..	..	..	..	..	..	..	
8	7	1	..	..	..	..	..	..	..	2	1	1	8 days. 6 mos.	Trismus. Cholera infantum.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	
13	6	7	..	..	..	..	..	..	..	..	..	..	..	..	Normal and healthy. All large and healthy, mother still productive. Survivors normal and healthy.
10	8	2	..	..	..	..	..	..	..	2	..	2	30	Consumption.	
12	7	5	..	..	..	..	..	..	..	3	1	2	25 to 30	Consumption.	
10	6	4	..	..	..	..	..	..	..	4	..	2	20 to 25	Consumption. Abscess.	
4	3	1	..	..	..	..	..	..	..	1	..	..	..	Unknown.	
5	3	2	..	..	..	..	..	..	..	..	..	..	..	..	Normal. Normal. One had catalepsy in early life, but finally recovered. One born with right arm amputated at wrist; others healthy. Normal.
2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	
3	2	1	1	..	..	1	..	..	..	..	..	..	..	..	
4	1	3	2	..	1	..	..	..	..	1	..	..	2½	..	
2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	
3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	All are healthy in appearance, but have frequent attacks of sickness. For the first few years the eldest had "acute affections of the head." Normal.
7	4	3	..	..	..	..	..	..	..	..	..	..	..	..	
6	2	4	..	..	..	..	..	..	..	1	..	..	3	Unknown.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

PARENTS.							
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
						M.	F.
29	M.	Bilious.	No report.	..	1822	25	18
30	F.	"					
30	M.	Bilious.	No report.	..	1825	23	15
31	F.	"					
31	M.	Bilious.	No report.	..	1817	30	28
32	F.	Sanguine-bilious.					
32	M.	Sanguine-bilious.	No report.	..	1828	21	17
33	F.	Bilious.					
33	M.	Nervo-sanguine.	Male, good health and habits.—Female rather weakly. Both more than ordinarily intellectual, and highly cultivated.	Teacher.	1840	Young.	
34	F.	Unknown.					
34	M.	Nervo-sanguine.	Both good health and habits.	Farmer.	1832	Young.	
35	F.	Bilious.					
35	M.	Nervo-sanguine.	Both good health and habits.	Physician.	1842	Young.	
36	F.	Unknown.					
36	M.	Lymphatic.	Both good health and habits.	Of leisure (wealthy).	1847	Young.	
37	F.	"					
37	M.	"	Both good health and habits.	Of leisure (wealthy).	1847	Young.	
38	F.	"					
38	M.	Sanguine-bilious.	Good health and habits.—Wife, delicate constitution; habits good.	Farmer.	1846	Young.	
39	F.	Nervo-lymphatic.					
39	M.	Sanguine-nervous.	Both good health and habits.	Farmer.	1847	Young.	
40	F.	Sanguine-nervous and bilious.					
40	M.	Bilio-phlegmatic.	Both good health and habits; husband, dark hair and eyes; wife, blue eyes, rather florid complexion. Husband was grand nephew to wife's mother.	Farmer.	1823	Young.	
41	F.	Sanguine.					
41	M.	Unknown.	No report.	..	..	..	..
42	F.	"					
42	M.	Lymphatic.	Feeble constitution; good habits.—Wife, good constitution and habits.	Farmer.	—1835	..	..
43	F.	"					
43	M.	Bilious.	Both good health and habits.	Farmer.	1843	23	20
44	F.	Bilio-nervous.					
44	M.	Nervous.	Health delicate; habits good; has strumous ophthalmia.—Wife, good health and habits; first cousin to husband's father.	Farmer.	1845	26	Young
45	F.	Sanguine.					
45	M.	Lymphatic.	Good health; intemperate.—Wife, good health and habits; first cousin to husband's father.	Mechanic.	1837	20	Young
46	F.	Nervo-sanguine.					
46	M.	Sanguine.	Both good health and habits.	Farmer.	1800	45	25
47	F.	Bilious.					
47	M.	Sanguine-bilious.	Both good health and habits.	Farmer.	1834	32	28
48	F.	Nervo-lymphatic.					
48	M.	Nervo-bilious.	Good health, and very regular habits.—Wife, not robust; good habit.	Brickmason and farmer	1837	25	Young
49	F.	Unknown.					
49	M.	Unknown.	Both good health and habits so far as known.	Farmer and innkeeper.	1820 and 1843	Young.	
50	F.	"					
50	M.	Bilio-lymphatic.	Both good health and habits; same male as in No. 230, Class E. Lately the male has dyspepsia, and female prolapsus uteri.	Carpenter.	1842	25	20
	F.	Sanguine.					

## Second Cousins—Continued.

CHILDREN.															
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									Male.	Female.			
3	2	1	..	..	..	..	..	..	..	1	..	..	—5	Unknown.	Normal.
13	3	10	..	..	..	..	..	..	..	2	..	..	—5	Unknown.	Normal.
12	5	7	..	..	..	..	..	..	..	2	..	..	..	Unknown.	Normal.
7	3	4	..	..	..	..	..	..	..	1	..	..	..	Unknown.	Normal, except the great toe is double on the feet of one of the children.
4	2	2	..	..	..	..	..	..	..	3	..	..	..	Want of vitality, (lived but a few days).	The survivor is small and frail.
1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	Now 21 years of age. When a child his intellect seemed in advance of his age, now entirely behind it; has never had perfect control over his muscular system; can neither walk, talk, nor feed himself, yet he is well-formed, except so far as his efforts to struggle along have perverted his form.
5	1	4	..	..	..	..	..	..	..	2	..	..	1 to 13	Scarlatina.	All normal, except one, who is below mediocrity in intellect.
1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	Normal. Nos. 3 and 4 were examples of two brothers who married two sisters upon the same day. No. 4 has been hitherto sterile.
5	4	1	3	..	..	..	..	..	..	2	2	..	2	Hydrocephalus.	
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	All living, and healthy.
9	3	3	4	..	..	..	..	2	..	3	..	..	..	Stillborn 1. Convulsions 2.	Some of the children were born with abnormalities; the stillborn was a monster; no family tendency to abnormalities.
3	..	..	..	..	..	..	..	..	..	1	..	..	..	Unknown.	The others healthy.
8	..	..	..	..	..	..	..	..	..	8	..	..	..	Scrofulous affections.	
6	3	3	1	..	..	..	1	..	..	..	..	..	..	..	Remainder normal.
5	5	..	1	..	..	..	..	..	1	..	..	..	..	..	The scrofulous child has enlarged tonsils, others normal and healthy.
5	2	3	..	..	..	..	..	..	..	..	..	..	..	..	No defects.
5	2	3	..	..	..	..	..	..	..	..	..	..	..	..	All healthy and intelligent.
3	3	..	2	..	..	..	..	..	2	1	1	..	1 day.	..	Survivors intelligent.
3	2	1	1	..	..	1	..	..	..	..	..	..	..	..	
7	5	2	4	..	4	..	..	..	1	1	..	..	7	Congestive chill.	The eyes of the blind are in continual dancing motion; the father married first a woman not related, who bore him 11 normal children; upon her death the female of No. 49.
2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	Healthy and fine looking, and above mediocrity in intellect.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
51	M. F.	Phlegmatic. " and bilious.	Both good constitution and habits. Husband's father was nephew to the wife's father.	Farmer.	1846	M. F. Young.
52	M. F.	Unknown. "	Both good health and habits.	Mariner.	1795	Young.
53	M. F.	Unknown. "	Male, consumptive.—Female, good health. Both good habits.	Merchant.	1835	Young.
54	M. F.	Unknown. "	Male, consumptive.—Female, good health. Both good habits.	Farmer.	1840	Young.
55	M. F.	Unknown. "	Male, never robust.—Female, good health. Both good habits.	Physician.	1826	Young.
56	M. F.	Leucophlegmatic. Nervous.	No report of health or habits.	Mariner and merchant.	1800	Young.
57	M. F.	Unknown. Nervous.	Good health and habits.—Wife, delicate constitution.	Farmer.	1844	25 25
58	M. F.	Sanguine-bilious. Unknown.	Both good health and habits.	Farmer.	—1835	20 to 30
59	M. F.	Unknown. "	Good health and habits.—Wife rather delicate.	Farmer.	1845	Young.
60	M. F.	Unknown. "	Both good constitutions and habits.	Farmer.	1850	Young.
61	M. F.	Lymphatic. "	Bad constitution; habits good.—Wife, good health and habits. Of the same parentage as Nos. 326 & 327, Class E. Male was healthy until after birth of children.	Farmer.	1839	20 17
62	M. F.	Unknown. "	Both good health and habits; wife died 18 years after marriage.	Manufacturer.	..	Young.
63	M. F.	Unknown. "	Both good health and habits.	Lawyer.	1831	24 24
64	M. F.	Unknown. "	Both good habits; male, consumptive; female, healthy.	..	1854	Young.
65	M. F.	Unknown. "	Both good health and habits, and in easy circumstances.	Merchant.	1842	Young.
66	M. F.	Sanguine. Unknown.	Same male as in No. 446, Class E; had long suffered with constitutional syphilis; upon his supposed recovery married this female, healthy and good habits; they were divorced, and the female again married, and lived six years without issue.	Farmer.	—1835	Young.
67	M. F.	Choleric. Unknown.	Both healthy, with temperate, active habits.	Farmer.	1845	24 17
68	M. F.	Choleric. Unknown.	Both healthy, with temperate, active habits.	Farmer.	1855	24 18
69	M. F.	Melancholic. Unknown.	Both healthy, with temperate, active habits.	Farmer.	1834	26 17
70	M. F.	Unknown. "	Male died at 30 of phthisis.—Female still living, aged 35, healthy.	Farmer.	1842	20 20
71	M. F.	Choleric. Unknown.	Both healthy, with temperate, active habits.	Farmer.	1844	22 17
72	M. F.	Choleric. Unknown.	Both healthy, with temperate, active habits.	Farmer.	1842	20 17
73	M. F.	Unknown. "	Both healthy, with temperate, active habits.	..	1822	Young.
74	M. F.	Unknown. "	Both healthy, with temperate, active habits.	..	1847	Young.
75	M. F.	Unknown. "	Both healthy, with temperate, active habits.	Lawyer.	1851	.. ..

## Second Cousins—Continued.

CHILDREN.												
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.	
	Male.	Female.									Male.	Female.
1	1	..	1	..	..	..	..	..	..	..	..	..
9	5	4	..	..	..	..	..	..	..	..	..	..
2	2	..	1	..	..	..	..	..	1	1	..	..
3	3	..	1	..	..	..	..	..	1	1	..	..
8	4	4	..	..	..	..	..	..	..	3	3	..
3	2	1	..	..	..	..	..	..	..	1	..	1
4	1	..	..	..	..	..	..	..	..	3	..	..
7	1	6	..	..	..	..	..	..	..	..	..	..
2	1	1	2	..	..	..	..	..	2	..	..	..
2	..	2	..	..	..	..	..	..	..	..	..	..
4	2	2	4	..	..	2	..	..	..	3	1	2
6	..	..	..	..	..	..	..	..	..	4	..	..
4	..	..	..	..	..	..	..	..	..	..	..	..
1	..	..	..	..	..	..	..	..	..	1	..	..
1	1	..	..	..	..	..	..	..	..	..	..	..
2	..	2	..	..	..	..	..	..	..	2	..	2
6	..	6	..	..	..	..	..	..	..	..	..	..
1	..	1	..	..	..	..	..	..	..	..	..	..
9	5	4	1	..	..	..	..	..	1	4	2	..
3	1	2	..	..	..	..	..	..	..	..	..	..
5	2	3	..	..	..	..	..	..	..	..	..	..
7	3	4	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	1	..	..	..	..	..	1	..	..	..

## CHILDREN.

## CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.

..

..

Did not talk until his sixth year,  
has tolerable health, but is a  
semi-idiot.

All grew up healthy and bright.

..

..

3

Scrofula.

Survivor not robust but bright.

6

Convulsions.

-3

Unknown.

One female married and died of  
stomatitis materna after first  
child; remainder bright but deli-  
cate; all of light complexion.

-3

Unknown.

One of the males was of nervous  
temperament, and died of bilious  
fever, æt. 30; the survivor is of  
temperament similar to father.

..

Stillborn.

Sex of the stillborn not recollected;  
the living child, now eight  
years old, sprightly and well  
developed.

..

..

..

..

..

..

..

..

Well developed and sprightly.

2 to 3

Convulsions 3.

The survivor is neither robust  
nor bright, but is tolerably  
healthy.

..

..

..

..

All healthy.

1

Tubercular meningitis.

..

..

Now healthy and bright, 12 years  
old, no other pregnancy.

9 mos.

Cholera infantum.  
Fever.Both children gave evidence of  
syphilitic taint during dentition.

4

..

..

All healthy and bright.

..

..

Healthy and bright.

4

Stillborn 1.  
Tubercular meningitis 2.  
Unknown 1.

Four are normal and healthy.

..

..

All healthy and bright.

..

..

All healthy and bright.

..

..

All healthy and bright.

..

..

These children are healthy, but  
eccentric and inefficient.  
Sterile.

..

..

Both bright minds.

..

..

Both bright minds.

PARENTS.						
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.
						M. F.
76	M. F.	Unknown.	Both healthy, with temperate, active habits.	..	1837	28 22
77	M. F.	Unknown.	No report of health and habits. The female is a deaf mute.	..	—1835	Young.
78	M. F.	Unknown.	Healthy and good habits; independent.—Wife, always feeble; died after birth of fifth child.	Farmer.	1830	Young.
79	M. F.	Sanguine.	Both healthy and good habits; affinity upon father's side.	Farmer.	1815	28 25
80	M. F.	Unknown.	Both healthy and good habits.	..	—1835	Young.
81	M. F.	Sanguine.	Both healthy, and very regular habits.	Of leisure.	1841	33 30
82	M. F.	Unknown.	Stout; healthy; temperate habits.—Wife, fleshy; hysterical.	Farmer.	1833	27 25
83	M. F.	Unknown.	Unknown.	..	..	.. ..
84	M. F.	Sanguine.	Both of good health and habits.	Farmer.	1842	21 21
85	M. F.	Leucophlegmatic.	Both healthy, with regular, active habits.	Merchant.	1839	32 28
86	M. F.	Unknown.	Both of excellent health and good habits, but dissimilar in temperament and personal appearance.	Farmer.	—1835	Young.
87	M. F.	Unknown.	Both of general good health and habits; resemble each other in personal appearance, form, and temperament.	Farmer.	—1835	Young.
88	M. F.	Unknown.	Both of good health and habits, are dissimilar in appearance and temperaments.	Farmer.	—1835	Young.
89	M. F.	Sanguine.	Both healthy and good habits.	Farmer.	1839	42 26
90	M. F.	Lymphatic.	Both healthy and good habits.	Farmer.	1854	30 17
91	M. F.	Sanguine.	Scrofulous, dropsical, and a confirmed invalid.—Wife, healthy and active.	Farmer.	1838	23 20
92	M. F.	Lymphatic.	Both feeble health, but active, good habits; both died of phthisis.	Farmer.	1845	21 19
93	M. F.	Nervo-lymphatic.	Healthy, but sluggish.—Female, unknown.	Farmer.	1824	27 35
94	M. F.	Unknown.	Healthy and good habits.—Female, unknown.	Farmer.	1809	22 26
95	M. F.	Sanguine.	Strong, active, and temperate habits.—Female, healthy; corpulent.	Merchant.	1850	22 25
96	M. F.	Lymphatic.	Supposed to be of good health and habits.	Farmer.	1838	26 15
97	M. F.	Unknown.	Both supposed to have been of good health and habits.	Farmer.	1827	23 27
98	M. F.	Sanguine.	Healthy, with inactive, irregular habits.—Female, no report.	Merchant.	1855	.. ..
99	M. F.	Lymphatic.	Healthy, with irregular habits.—Female, unknown.	Farmer.	1838	22 17
100	M. F.	Unknown.	Both healthy; habits unknown.	..	1813	44 32
101	M. F.	Unknown.	Healthy; no report of habits.—Wife, feeble, consumptive tendency.	..	1831	25 23



## Second Cousins—Continued.

CHILDREN.												
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.	
	Male.	Female.									Male.	Female.
3	..	..	..	..	..	..	..	..	..	..	..	..
6	4	2	3	3	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	2	..	..	..
4	1	3	1	..	..	..	..	..	..	..	..	..
9	6	3	1	1	..	..	..	..	..	..	..	..
6	3	3	1	..	..	1	..	1	..	1	..	1
9	3	6	2	..	..	..	..	2	1	..	1	..
3	3	..	1	1	..	..	..	..	..	..	..	..
4	2	2	2	2	..	..	..	..	1	..	1	..
3	..	3	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..
4	..	..	4	1	..	3	..	..	..	..	..	..
4	..	..	1	..	..	1	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..
2	2	..	..	..	..	..	..	..	..	..	..	..
1	1	..	..	..	..	..	..	..	..	..	..	..
1	1	..	1	..	..	..	..	1	..	..	..	..
3	1	2	..	..	..	..	..	..	1	1	..	..
1	1	..	..	..	..	..	..	..	..	..	..	..
3	1	2	..	..	..	..	..	..	..	..	..	..
10	6	4	1	..	..	..	..	..	1	1	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..
1	1	..	..	..	..	..	..	..	1	1	..	..
1	1	..	..	..	..	..	..	..	..	..	..	..
1	..	..	..	..	..	..	..	..	1	..	..	..
7	4	3	2	..	..	..	..	2	1	..	1	..

## CHILDREN.

## CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.

..  
..  
3 mos.  
—5

Marasmus l.  
Convulsions l.

Tracheitis.

Stillborn.

Scarlatina.

Brain fever.

Tuberculosis.

Scarlatina.

Dysentery.

All healthy and bright.

Two uncles and several other relatives deaf mutes; two males and one female are mutes.

The survivors were inclined to pulmonary affections in early life, but are now healthy and bright.

One daughter has one hazel and one blue eye, and one is sterile after many years of marriage; otherwise they are fine looking and of average mental endowments.

The deaf mute is a female, and is supposed by her parents to have lost her hearing from scarlatina at three months.

The idiot and epileptic died; the survivors are healthy and well-formed except being cross-eyed. No defects.

The two females are semi-mutes; the two males healthy. All normal and sprightly.

Two have arrived at maturity, all healthy and sprightly.

The eldest a mute, the remainder semi-idiotic.

The third child is frail in body and almost an idiot.

Sterile.

Both healthy.

Living and healthy, aged seventeen years.

Eleven years old, and evidently consumptive.

Two daughters healthy and married; one of them is female in No. 49, Class C.

Living and healthy, and is male in case No. 50, Class C. Normal.

The scrofulous child is also deformed, the others healthy. Sterile.

Living and healthy, aged three or four years.

Lived but a few hours; sex unknown.

Survivors healthy except the scrofulous son, aged 15, who has spinal disease, and a son, aged 24, in the last stage of consumption.

## PARENTS.

Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE	
						M.	F.
102	M.	Unknown.	Both healthy; habits unknown.	..	1830	21	25
	F.	"					
103	M.	Nervous.	Both healthy; indolent habits.	Farmer.	1826	23	23
	F.	Sanguine.					
104	M.	Unknown.	Both healthy; habits unknown.	Farmer.	1827	22	22
	F.	"					
105	M.	Unknown.	Both healthy; habits unknown.	..	1854	Young.	
	F.	"					
106	M.	Unknown.	Both healthy; habits unknown.	..	1833	Young.	
	F.	"					
107	M.	Unknown.	No report.	..	—1835	Young.	
	F.	"					
108	M.	Unknown.	Both good health and habits. Male's mother bore eight children; female's mother nine.	Merchant.	—1835	Young.	
	F.	"					
109	M.	Unknown.	Both good health and habits.	..	—1835	Young.	
	F.	"					
110	M.	Unknown.	Both good health and habits.	..	—1835	Young.	
	F.	"					
111	M.	Unknown.	Both good health and habits.	..	—1835	Young.	
	F.	"					
112	M.	Sanguine.	Both good health and habits; well-formed, and of healthy stock.	Confectioner.	1830	30	25
	F.	"					
113	M.	Sanguineo-bilious.	Both good health and habits.	Manufacturer.	..	30	25
	F.	Sanguine.					
114	M.	Bilious.	Both healthy, with black hair and eyes; in good circumstances of life.	Farmer.	1839	Young.	
	F.	"					
115	M.	Bilious.	Both healthy; the male has dark hair and eyes; the female light hair, fair complexion, and blue eyes; in good circumstances of life. The male was brother to male in No. 114; and female was sister to female of No. 114.	Farmer.	1840	Young.	
	F.	Sanguine.					
116	M.	Sanguine-nervous.	Good health and habits.—Wife, rather feeble; good habits.	Farmer.	1845	28	25
	F.	Nervous.					
117	M.	Unknown.	Both good health and habits; of prolific families.	Farmer.	1847	Young.	
	F.	"					
118	M.	Bilious-sanguine.	Black hair, eyes, and dark complexion.—Wife, blue eyes, light hair and complexion. Both of healthy parentage.	Farmer.	1800	Young.	
	F.	Nervo-sanguine.					
119	M.	Bilious.	Both dark hair, complexion, and eyes; male, healthy and corpulent; female, spare, not robust, died of phthisis four years after marriage.	Editor.	1850	36	26
	F.	Nervo-bilious.					
120	M.	Bilious.	Both healthy, and in easy circumstances of life.	Farmer.	..	Young.	
	F.	Sanguine.					

## Second Cousins—Continued.

CHILDREN.													
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.
	Male.	Female.									Male.	Female.	
6	..	6	..	..	..	..	..	..	..	..	..	..	..
5	2	3	..	..	..	..	..	..	..	1	1	..	9
3	2	1	..	..	..	..	..	..	..	..	..	..	..
2	..	2	..	..	..	..	..	..	..	..	..	..	..
9	3	6	..	..	..	..	..	..	..	1	..	..	..
6	3	3	1	1	..	..	..	..	..	1	..	1	17
3	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	1	..	..	..	..	..	..	1	..	..	..
5	2	3	..	..	..	..	..	..	..	2	..	2	..
2	1	1	1	..	..	1	..	..	..	1	1	..	4
3	1	2	2	..	..	..	..	..	2	..	..	..	..
8	4	4	1	..	..	..	..	..	..	5	4	1	—1 mo. 2
5	4	1	..	..	..	..	..	..	..	1	1	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	6	6	2	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	6	2	2	..	..	2	..	..	..	1	..	..	—5

## CAUSE OF DEATH.

CONDITION OF CHILDREN,  
REMARKS, ETC.

.. All living and healthy, aged from 26 to 13.

Drowning. Normal.

.. All healthy.

.. All healthy.

Smallpox. Survivors healthy.

Consumption. The mute lost her hearing at 18 months from measles, and died at 17; survivors healthy.

.. Without deformity, but all rather delicate.

.. Sterile.

Unknown 1. Drowned 1. The survivor is healthy and normal; the one drowned had heart disease.

Consumption 1. Hydrocephalus 1. Scarlatina. The survivors are all married, one is male in No. 56, Class C. The survivor is feeble in body and mind.

.. These children are but slightly scrofulous, and are otherwise bright and active.

Convulsions. One of the deceased was badly deformed; one of the survivors has chronic enlargement of the tonsils, and slight deafness.

"Sore-throat." The four survivors healthy and sprightly.

.. Sterile.

.. Sterile.

.. Two were deformed, a son with deformed arm, a daughter with curved spine; none entirely equal to parents, who were remarkably endowed, both physically and mentally.

.. Sterile.

Unknown. Of the two defective, one has curved spine, and both hear badly; the others are said to be sprightly.

PARENTS.							
Number of observations.	Sex of parents in reference to.	TEMPERAMENT.	HEALTH, HABITS, ETC.	OCCUPATION.	WHEN MARRIED.	AGE AT MARRIAGE.	
1	M. F.	Lymphatic. Bilious.	Both good health and habits.	Farmer.	1842	M. 21	F. 17
2	M. F.	Lymphatic. Nervo-sanguine.	Both good health; male, habits doubtful; female, industrious habits.	Gambler.	1833	21	18
3	M. F.	Nervous. " "	Both delicate health; regular habits.	Farmer.	1830	22	..
4	M. F.	Nervous. Bilious.	Good constitution.—Wife, scrofulous. Both active and regular habits.	House-joiner.	1824	26	23
5	M. F.	Unknown. " "	Both good health and habits. Male is brother to male No. 409, Class E, and to female No. 405, Class E.	Farmer.	1847	Young.	
6	M. F.	Unknown. " "	Both good health and habits. Male is brother to male No. 409, Class E, and female, No. 405, Class E. Both still in prime of life.	Farmer.	1846	Young.	
7	M. F.	Sanguine. Bilious.	Good health and habits; brother to male No. 446, Class E.—Female, not healthy; died of pulmonary disease at 33. Fourth cousins.	..	—1835	23	16
8	M. F.	Nervo-sanguine. Unknown.	Good health and habits.—Wife, scrofulous, has permanently thickened Schneiderian membrane. Fifth cousins.	Physician & farmer.	1837	32	20
9	M. F.	Bilious. Nervous.	Very tall, stooping, and subject to bronchitic coughs.—Female, no report of health.	Farmer.	1816	25	22
10	M. F.	Unknown. " "	Both healthy, robust, and temperate.	Farmer.	1849	18	19
11	M. F.	Lymphatic. Sanguine.	Male, scrofulous.—Female, healthy. Both regular habits.	Of leisure.	1812	27	20
12	M. F.	Sanguine. Unknown.	Healthy, and good habits.—Wife, unknown.	Farmer.	1830	30	30
13	M. F.	Bilious. Unknown.	Both healthy, and in good circumstances of life.	Farmer.	—1835	Young.	

*Third Cousins.*

CHILDREN.																
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		Age at death.	CAUSE OF DEATH.	CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.				
3	4	4	..	..	..	..	..	..	..	2	1	1	—5	Cholera infantum.	No defects, either physical or mental.	
8	2	6	..	..	..	..	..	..	..	1	1	..	6	Inflammation of brain from wound.	No defects, either physical or mental.	
5	3	2	2	..	..	1	..	..	2	..	..	..	..	..	..	
7	3	4	3	3	..	..	..	..	..	..	..	..	..	..	No other defects; the mutes have received a good education, and both they and the remaining children are bright, active, and healthy.	
4	3	1	..	..	..	..	..	..	..	..	..	..	..	..	No defects.	
4	2	2	..	..	..	..	..	..	..	1	..	1	—5	Unknown.	No defects.	
3	2	1	2	..	..	..	..	2	..	..	..	..	..	..	The males were subject to convulsions during dentition, one is deaf and stooped; daughter normal.	
7	5	2	..	..	..	..	..	..	..	1	..	1	8	Hydrocephalus.	All are subject to otorrhœa; five have altered voices from permanent thickening of Schneiderian membrane.	
3	2	1	..	..	..	..	..	..	..	..	..	..	..	..	Nothing unusual about offspring.	
2	1	1	2	..	..	..	..	..	2	..	..	..	..	..	..	
7	3	4	6	..	..	..	1	..	6	3	3	..	18 mos. 7 17	Phthisis.	The insane girl became so at 25, and continues so.	
1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	Lame from coxalgia in infancy.	
12	3	9	2	..	..	1	..	..	..	1	..	..	..	Unknown.	Two females are helpless from rachitis, one is idiotic, another female is eccentric, the others bright.	

CLASS II.—Cases irregularly

PARENTS.									
Number of observations.	HEALTH, HABITS, ETC.							OCCUPATION.	WHEN MARRIED.
1	No report of health or habits.							Farmer.	..
2	Do.	do.	do.	..	..	..	..	Farmer.	1827
3	Do.	do.	do.	..	..	..	..	Farmer.	1820
4	Do.	do.	do.	..	..	..	..	..	1830
5	Do.	do.	do.	..	..	..	..	..	1830
6	Do.	do.	do.	..	..	..	..	Mariner.	1828
7	Do.	do.	do.	..	..	..	..	Merchant.	1827
8	Do.	do.	do.	..	..	..	..	..	1822
9	Do.	do.	do.	..	..	..	..	Merchant.	1797
10	Do.	do.	do.	..	..	..	..	..	1807
11	Do.	do.	do.	..	..	..	..	Mariner.	1827
12	Do.	do.	do.	..	..	..	..	Merchant.	1807
13	Do.	do.	do.	..	..	..	..	..	1837
14	Do.	do.	do.	..	..	..	..	..	1849
15	Do.	do.	do.	..	..	..	..	..	1832
16	Do.	do.	do.	..	..	..	..	Farmer.	1827
17	Do.	do.	do.	..	..	..	..	Merchant.	1807
18	Do.	do.	do.	..	..	..	..	..	..
19	Do.	do.	do.	..	..	..	..	..	..
20	Do.	do.	do.	..	..	..	..	Baker.	1807
21	Do.	do.	do.	..	..	..	..	Mariner.	1803
22	Do.	do.	do.	..	..	..	..	..	1837
23	Do.	do.	do.	..	..	..	..	..	1847
24	Do.	do.	do.	..	..	..	..	..	1808
25	Six couples of first cousins, in which the parties were all mutually related ;							Farmers.	
26	healthy and robust, but of intemperate habits ; are still young, and fe-								
27	males of some of the unions continue to produce.								

TABLE OF

CLASSES.			Number of observa- tions in each class.	Number of children.	SEX.		Number defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Deformed.
					Males.	Females.								
A	..	..	10	31	16	10	29	..	..	19	..	1	5	11
B	..	..	12	53	17	14	40	1	3	3	1	1	12	14
C	..	..	56	234	109	77	126	10	12	30	3	4	41	9
D	..	..	27	154	47	51	42	2	2	4	6	2	10	2
E	..	..	580	2778	1040	995	793	117	63	231	24	44	189	53
F	..	..	112	513	234	211	67	9	5	17	1	6	15	9
G	..	..	12	59	30	29	16	3	..	1	1	2	10	..
H	..	..	24	120	17	24	21	3	..	3	2	..	15	..
Total	..	..	833	3942	1509	1411	1134	145	85	308	38	60	300	98



reported, all First Cousins.

CHILDREN.											
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	CONDITION OF CHILDREN, REMARKS, ETC.
	Male.	Female.									
3	..	..	3	3	..	..	..	..	..	..	Whole number of children not stated.
2	..	..	..	..	..	..	..	..	..	..	Healthy.
4	..	..	..	..	..	..	..	..	..	..	Healthy.
11	..	..	1	..	..	..	..	1	..	..	Remainder healthy.
9	..	..	..	..	..	..	..	..	8	..	Survivor feeble.
6	..	..	6	..	..	..	..	6	..	..	
3	..	..	3	..	..	..	..	3	..	..	
5	2	3	5	..	..	..	1	5	..	..	Intellects mediocre.
5	..	..	..	..	..	..	..	..	..	..	"Very good health, but odd and eccentric."
7	..	..	3	..	..	3	..	..	..	..	
1	..	..	..	..	..	..	..	..	..	..	Bright and healthy.
6	2	4	..	..	..	..	..	..	..	..	All healthy.
10	..	..	..	..	..	..	..	..	4	..	Healthy.
5	..	..	..	..	..	..	..	..	..	..	Healthy.
4	..	..	..	..	..	..	..	..	..	..	
3	..	..	1	..	1	..	..	..	..	..	
6	..	..	..	..	..	..	..	..	..	..	Healthy.
12	..	2	2	2	..	..	..	..	..	..	Two beautiful daughters are deaf mutes.
3	..	3	..	..	3	..	..	..	..	..	
7	..	..	..	..	..	..	..	..	..	..	All healthy.
2	..	..	..	..	..	..	..	..	..	..	"Not efficient."
7	..	..	..	..	..	..	..	..	..	..	Regarded as "peculiar."
2	..	..	..	..	..	..	..	..	..	..	Sterile.
30	13	17	..	..	..	..	..	..	13	..	Number dead unknown; survivors are large and healthy, and all of them defective in moral principle.

## AGGREGATES.

Died young.	Sterile.	Average number of births to each marriage.	Average number of births to marriages before 1835.	Number of males to 100 females.	PER CENT.								
					Defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Deformed.	Died young.
..	..	4.5	4.44	150	93.5	..	..	61.2	..	03.2	16.1	35.4	..
23	3	4.41	7.5	121	75.4	01.9	05.6	05.6	01.9	01.9	20.7	26.4	43.3
63	4	4.17	5.6	141	53.8	04.2	05.1	12.8	01.2	01.7	18.8	03.8	26.9
55	..	5.7	6.2	92	27.2	01.2	01.2	02.5	03.8	01.2	06.3	01.2	35.
637	40	4.8	5.96	104½	24.9	04.2	02 2	08.3	..	01.6	06.2	01.9	22.5
85	5	4.58	5.4	110 <sup>9</sup> / <sub>10</sub>	13.	01.7	..	03.3	..	01.1	02.9	01.7	16.5
8	..	4.91	5.85	103 <sup>4</sup> / <sub>10</sub>	27.	05.	..	01.7	01.7	03.4	16.9	..	13 5
12	1	5.	..	..	17.5	02.5	..	02.5	01.6	..	12.5	..	10.
883	53	4.46	..	124½	28.7	03.6	02.1	07.	..	01.5	07.6	02.4	22.4

TABLE I.—*Comparative Results of Marriages between parties not pre-*

PARENTS.			
NUMBER OF OBSERVATIONS.	HEALTH, HABITS, ETC.	RESIDENCE.	OCCUPATION.
1	Both healthy. Male was brother to male of No. 592, Class E; other brothers, whose cases are not reported, married without the circle of relationship, having perfect children.	Kentucky.	..
1	Both healthy; male bilious, female sanguine, temperament; in easy circumstances of life. Male was brother to male of No. 13, Class G.	Kentucky.	Farmer.
1	Male, brother to females of Nos. 587 and 588, Class E, has married three times; one wife delicate, the others healthy; of good health, and wealthy; sanguine temperament.	Kentucky.	Farmer.
1	Both good health and habits; male had dark hair, eyes, and skin, bilious temperament; female, blue eyes, fair skin and hair, sanguineo-lymphatic. Male was brother to female of No. 600, Class E.	Kentucky.	Farmer.
10	These couples were taken from ordinary circles of life in and around a small interior village, probably in many instances comfortable farmers.	Tennessee.	..
10	Taken from ordinary circles of life in and around a flourishing city.	Indiana.	..
15	Taken from ordinary circles of life in and around a small town, probably farmers in a majority of instances.	Missouri.	..
10	Taken from ordinary circles of life in and around a village.	Ohio.	..
15	Taken from ordinary circles of life in a flourishing city.	Wisconsin.	..
20	All of these parents are farmers, with two or three exceptions.	New Jersey.	Farmers.
10	All from a country residence, probably farmers.	New York.	Farmers.
10	Taken from ordinary circles of life in and around a village.	Vermont.	..
10	Taken from ordinary circles of life in and around a village.	Vermont.	..
1	Both good health; male had light hair and complexion, blue eyes, at times intemperate, was brother to male of No. 600, Class E; female, red hair, blue eyes, fair skin, good habits.	Kentucky.	Farmers.
10	Taken from ordinary circles of life in and around a small interior village, and probably farmers in a majority of instances; all good livers.	Kentucky.	..
Total 125			

NOTE.—Thirty-one marriages of parties not known to be related or descendants of relations, occurring in and around a small village in Kentucky, produced two hundred and seven children, ninety-eight males, one hundred and nine females. The number dying before maturity not stated. Two of these unions were followed each by thirteen children—the greatest number born to any one marriage; three

*viously related or known to be the immediate descendants of Relations.*

CHILDREN.														
Number of children.	SEX.		No. defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	SEX.		CONDITION OF CHILDREN, REMARKS, ETC.	
	Male.	Female.									Male.	Female.		
6	5	1	..	..	..	..	..	..	..	..	..	..	All healthy and sprightly.	
8	3	5	1	..	..	..	..	..	..	2	1	1	The female who died had curved spine, remainder normal and healthy.	
12	..	..	..	..	..	..	..	..	..	..	..	..	Sex not known, all good looking, intelligent, and healthy.	
8	4	4	..	..	..	..	..	..	..	1	1	..	All healthy, intelligent, and well-formed.	
83	38	45	..	..	..	..	..	..	..	23	12	11	All were well-formed; the survivors are healthy, with the exception of one, who is predisposed to consumption.	
71	32	39	..	..	..	..	..	..	..	8	3	5	Not an instance of physical deformity or mental imbecility among them.	
111	55	56	..	..	..	..	..	..	..	20	10	10		
68	40	28	..	..	..	..	..	..	..	7	..	..	Those who survive are, without exception, well-formed and usually well-endowed.	
74	42	32	..	..	..	..	..	..	..	15	8	7	No physical or mental abnormalities among survivors.	
143	86	57	12	3	..	5	1	..	..	16	..	..	Three of the defective have difficult articulation; sex of those who died not reported.	
68	37	31	1	..	*1	..	..	*1	*1	6	3	3	Survivors well-formed, and of ordinary health.	
59	36	22	..	..	..	..	..	..	..	11	..	..	One survivor had chorea; his father, a drunkard; remainder normal and healthy.	
55	26	29	3	..	..	..	2	..	..	14	..	..	One is deformed from rachitis; some of the survivors rather dull, but none classed as idiots.	
6	2	4	..	..	..	..	..	..	..	..	..	..	All normal and healthy, with bright minds.	
65	38	27	1	..	..	1	..	..	..	11	4	7	One became insane; none deformed; one idiotic, referred to early disease. All arrived at puberty, but since two died at puberty.	
837	444	380	18	3	1	6	1	3	1	134	42	44		

produced three each, the smallest number resulting from any fruitful union; four were sterile. None of the children were reported to have been born with any defect. All these were instances of first marriage, and the parties lived together through the child-bearing period.

TABLE II.—*Comparative Results from*

CLASSES.	Number of observations.	Number of children.	Number defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	SEX.	
								Male.	Female.
A .. ..	3	3	3	..	..	3	..	1	2
B .. ..	1	12	2	..	..	2	..	1	1
E .. ..	47	321	84	32	16	33	5	29	36
F .. ..	28	150	43	13	10	15	7	21	16
G .. ..	4	35	5	2	2	1	1	..	..
H .. ..	72	500	107	36	21	39	12	54	36
Total .. ..	155	1021	244	83	49	93	25	106	91
100 families ..	100	708	148	52	17	70	9	..	..
100 families ..	100	667	119	40	6	67	8	60	55
Total .. ..	200	1375	267	92	23	137	17	60	55
125 families not related	125	837	18	3	1	6	1	444	380

## CLIMATIC

CLIMATIC DIVISIONS.	CLASSES.	Number of observations.	Number of children.	SEX.		Number defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.
				Male.	Female.							
SOUTH. 32d to 36th parallel.	C .. ..	10	49	27	22	33	5	4	11	2	..	29
	E .. ..	64	353	146	159	93	15	20	41	3	7	15
	F .. ..	18	87	45	39	16	..	..	7	..	3	2
MIDDLE. 36th to 40th parallel.	C .. ..	26	113	50	39	44	1	3	7	..	3	14
	E .. ..	236	1217	387	406	349	35	31	88	7	14	98
	F .. ..	50	233	90	111	25	3.	4	5	1	3	8
NORTH. 40th to 44th parallel.	C .. ..	20	72	32	16	49	4	5	12	1	1	1
	F .. ..	280	1208	507	430	351	67	7	102	14	23	80
	E .. ..	44	193	99	61	26	6	1	5	..	..	5

*the Ohio Report and other Sources.*

Died young.	Average births to marriage.	PER CENT.					Defects congenital.	Defects not congenital.	Unknown.	Number males to 100 females.	PER CENT.
		Defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.					
..	..	100.	..	..	100.	..	3	..	..	..	..
..	12.	16.6	..	..	16.6	..	2	..	..	..	..
..	6.8	26.1	09.9	04.9	10.2	..	48	18	18	80½	..
..	5.3	28.6	08.6	06.6	10.	..	19	9	15	131	..
..	8.2	14.2	05.7	05.7	02.8	02.8	..	..	..	..	..
..	6.9	21.4	07.2	04.2	07.8	02.4	81	10	16	150	..
..	6.5	23.9	08.1	04.8	09.1	02.4	153	37	49	116	..
..	7.08	20.9	07.3	02.4	09.8	01.2	148	..	..	..	..
..	6.67	16.3	06.	..	10.	01.2	119	..	..	109	..
..	6.8	19.4	06.6	03.2	09.9	01.2	267	..	..	109	..
134	6.69	02.13	003.4	001.14	007.1	001.14	12	3	3	116.8	16.

## DIVISIONS.

Died young.	Sterilo.	Average births to marriages.	Number males to 100 females.	PER CENT.								
				Defective.	Deaf and dumb.	Blind.	Idiotic.	Insane.	Epileptic.	Scrofulous.	Died young.	Sterilo.
20	1	4.9	121	67.3	10.	.08	22.4	.04	..	59.	40.8	10.
127	1	5.54	91	26.	04.	05.6	11.5	01.9	.04	04.2	35.8	01.5
12	2	4.6+	115	18.4	..	..	08.	..	..	..	13.7	11.1
21	..	4.3	128	39.	..	02.6	06.	..	02.6	12.3	18.5	..
226	8	5.13	99	27.	02.8	02.5	07.2	..	01.+	08.	18.5	03.3
33	4	4.66	81	10.7	01.2	01.7	02.1	..	01.2	03.4	14.1	08.
21	..	3.6	200	66.6	05.5	06.9	16.6	01.3	01.3	01.3	29.	..
284	28	4.31	124	29.	05.5	..	08.4	01.	01.8	06.6	23.5	10.
38	1	4.38	162	13.9	03.1	..	02.5	..	..	02.5	19.7	02.





Cal.  
REPORT

ON

INFLUENCE OF MARRIAGES OF CONSANGUINITY

UPON

208

OFFSPRING.

BY

S. M. BEMISS, M.D.

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